

ORDER NO. MD0104069C2

Service Manual

CD Stereo System

COMPACT
disc
DIGITAL AUDIO

SA-AK44

Colour

(S)... Silver Type

Area

(E)... Europe

(EB)... Great Britain

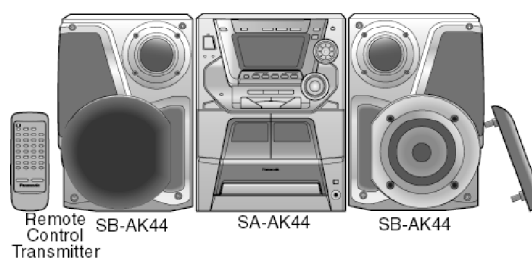
(EG)... Germany and Italy

TAPE SECTION :

AR2 MECHANISM SERIES

CD SECTION :

RAE0152Z-3 TRAVERSE DECK SERIES



SPECIFICATIONS

Specifications

■ AMPLIFIER SECTION

Power output	
THD 10%	
80Hz, both channels driven (LOW)	115 W per channel (6 Ω)
1 kHz, both channels driven (High)	45 W per channel (6 Ω)
Total Bi-Amp Power	160W per channel
Input sensitivity	
AUX	250 mV
Input Impedance	
AUX	13 k Ω

■ FM TUNER SECTION

Frequency range	87.50 - 108.00 MHz (50 kHz steps)
Sensitivity	1.8 μ V (IHF)
S/N 26 dB	2.2 μ V
Antenna terminal(s)	75 Ω (unbalanced)

■ AM TUNER SECTION

Frequency range	522 - 1629 kHz (9 kHz steps)
Sensitivity	
S/N 20 dB (at 999 kHz)	560 μ V/m

■ CASSETTE DECK SECTION

Track system	4 track, 2 channel
Heads	
Record/playback	Solid permalloy head
Erase	Double gap ferrite head
Motor	DC servo motor
Recording system	AC bias 100 kHz
Erasing system	AC erase 100 kHz
Tape speed	4.8 cm/s
Frequency response (+3 dB, -6 dB at DECK OUT)	
NORMAL (TYPE I)	35 Hz - 14 kHz
HIGH (TYPE II)	35 Hz - 14 kHz
S/N	50 dB (A weighted)
Wow and flutter	0.18 % (WRMS)
Fast forward and rewind time	Approx. 120 seconds with C-60 cassette tape

■ CD SECTION

Sampling frequency	44.1 kHz
Decoding	16 bit linear
Beam source/wave length	Semiconductor laser/780 nm
Number of channels	Stereo
Frequency response	20 Hz - 20 kHz (+1, -2 dB)
Wow and flutter	Below measurable limit
Digital filter	8 fs
D/A converter	MASH (1 bit DAC)

■ GENERAL

Power supply	
For E & EG only	AC 230 V, 50Hz
For EB only	AC 230 - 240 V, 50Hz
Power consumption	185 W
Power consumption in standby mode	0.4 W
Dimensions (W x H x D)	250 X 332 X 316mm
Mass	8.5 kg

■ SYSTEM

SC-AK44(E)	Music Center: SA-AK44(E) Speaker: SB-AK44(E)
SC-AK44(EB)	Music Center: SA-AK44(EB) Speaker: SB-AK44(E)
SC-AK44(EG)	Music Center: SA-AK44(EG) Speaker: SB-AK44(E)

Notes:

1. Specifications are subject to change without notice. Mass and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.
3. The label "HIGH" and "LOW" on the rear of the speakers refer to High frequency and Low frequency.

Panasonic®

1. Before Repair and Adjustment

Disconnect AC power, discharge Power Supply Capacitors C531, C532, C533, C534 and C579 through a 10 Ω , 5W resistor to ground.

DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices.

After repairs are completed, restore power gradually using a variac, to avoid overcurrent.

- **Current consumption at AC 230V, 50 Hz in NO SIGNAL mode should be ~400mA.**

2. Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- **No sound is heard when the power is turned on.**
- **Sound stops during a performance.**

The function of this circuitry is to prevent circuitry damage if, for example, the positive and negative speaker connection wires are

“shorted”, or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.

If this occurs, follow the procedure outlines below:

- 1. Turn off the power.**
- 2. Determine the cause of the problem and correct it.**
- 3. Turn on the power once again after one minute.**

Note :

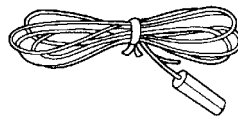
When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

3. Accessories

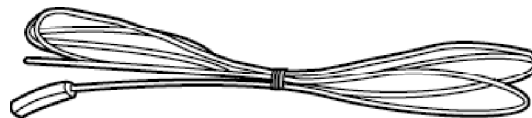
Remote Control Transmitter



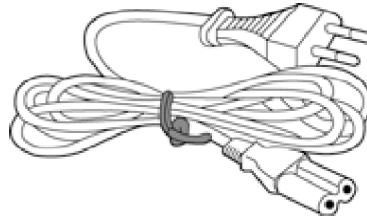
FM indoor antenna (EG)



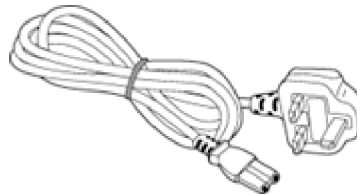
FM indoor antenna (E, EB)



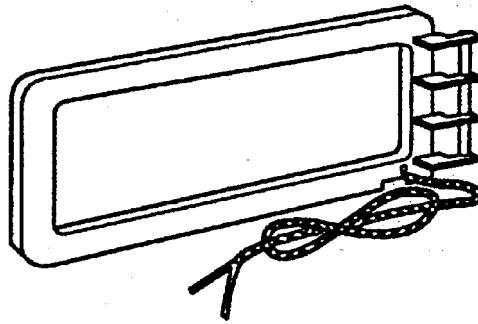
AC mains lead (E, EG)



AC mains lead (EB)



AM Loop antenna



Antenna Plug Adaptor (EB only)



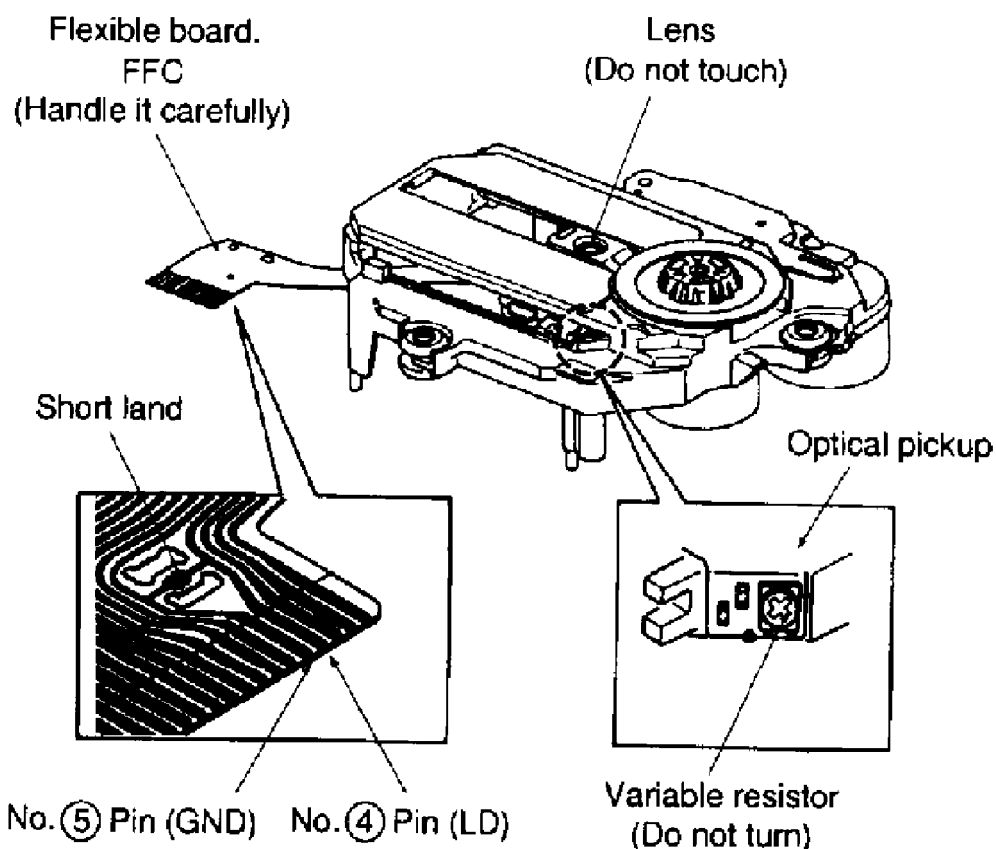
4. Handling Precautions For Traverse Deck

The laser diode in the traverse deck (optical pickup) may break down due to potential difference caused by static electricity of clothes or human body.

So, be careful of electrostatic breakdown during repair of the traverse deck (optical pickup).

- Handling of traverse deck (optical pickup)

1. Do not subject the traverse deck (optical pickup) to static electricity as it is extremely sensitive to electrical shock.
2. The short land between the No.4(LD) and No.5(GND) pins on the flexible board (FFC) is shorted with a solder build-up to prevent damage to the laser diode. To connect to the PC board, be sure to open by removing the solder build-up, and finish the work quickly.
3. Take care not to apply excessive stress to the flexible board (FFC).
4. Do not turn the variable resistor (laser power adjustment). It has already been adjusted.



- Grounding for electrostatic breakdown prevention

1. Human body grounding

Use the anti-static wrist strap to discharge the static electricity from your body.

2. Work table grounding

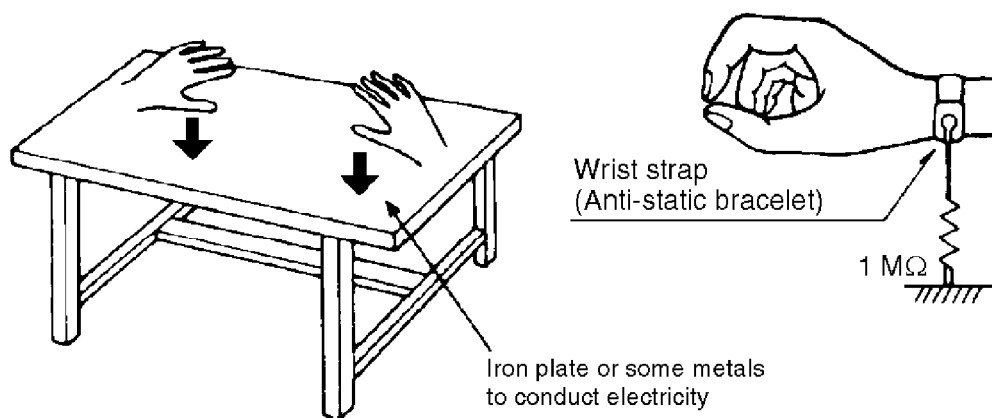
Put a conductive material (sheet) or steel sheet on the area where the traverse deck (optical pickup) is placed, and ground the sheet.

Caution :

The static electricity of your clothes will not be grounded through the wrist strap. So, take care not to let your clothes touch the traverse deck (optical pickup).

Caution when Replacing the Traverse Deck :

The traverse deck has a short point shorted with solder to protect the laser diode against electrostatic breakdown. Be sure to remove the solder from the short point before making connections.



5. Precaution of Laser Diode

Caution :

This product utilizes a laser diode with the unit turned "ON", invisible laser radiation is emitted from the pick up lens. / Wavelength : 780 nm / Maximum output radiation power from pick up : 100 μ W/VDE / Laser radiation from pick up unit is safety level, but be sure the followings:

1. Do not disassemble the optical pick up unit, since radiation from exposed laser diode is dangerous.
2. Do not adjust the variable resistor on the pick up unit. It was already adjusted.
3. Do not look at the focus lens using optical instruments.
4. Recommend not to look at pick up lens for a long time.

ACHTUNG :

Dieses Produkt enthält eine Laserdiode. Im eingeschalteten Zustand wird unsichtbare Laserstrahlung von der Lasereinheit abgestrahlt. / Wellenlänge : 780nm / Maximale Strahlungsleistung der Lasereinheit :100 μ W/VDE / Die Strahlung an der Lasereinheit ist ungefährlich, wenn folgende Punkte beachtet werden:

1. Die Lasereinheit nicht zerlegen, da die Strahlung an der freigelegten Laserdiode gefährlich ist.
2. Den werkseitig justierten Einstellregler der Lasereinheit nicht verstellen.
3. Nicht mit optischen Instrumenten in die Fokussierlinse blicken.

4. Nicht über längere Zeit in die Fokussierlinse blicken.

ADVARSEL :

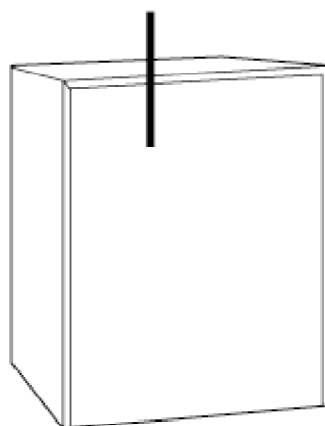
I dette a apparat anvendes laser.

CAUTION!

THIS PRODUCT UTILIZES A LASER.

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

■ Use of Caution Labels



(Back of product)

DANGER	INVISIBLE LASER RADIATION WHEN OPEN. AVOID DIRECT EXPOSURE TO BEAM.
ADVARSEL	USYNLIG LASERSTRÅLING VED ÅBNING. NÅR SIKKERHEDSafbrydere ER UD AF FUNKTION. UNDGÅ UDSÆTTELSE FOR STRÅLING.
VARO!	AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTÖNTÄ LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.
VARNING	OSYNLIG LASERSTRÅLNING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRREN ÄR URKOPPLAD. BETRÄKTA EJ STRÅLEN.
ADVARSEL	USYNLIG LASERSTRÅLING NÅR DEKSEL ÅPNES OG SIKKERHEDSLÅS BRYTES. UNNGÅ EKSPONERING FOR STRÅLEN.
VORSICHT	UNSICHTBARE LASERSTRAHLUNG, WENN ABDECKUNG GEÖFFNET. NICHT DEM STRAHL AUSSETZEN.

(Inside of product)

(Indersiden at apparatet)

(Tuotteen sisällä)

(Apparatens insida)

(Produktets innsida)

(Im Inneren des Gerätes)

6. Caution for AC Mains Lead

(For “EB” area code model only.)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.

Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark  or the BSI mark  on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.

If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.

A replacement fuse cover can be purchased from your local dealer.

CAUTION!

IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OFF SAFELY.

THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Blue: Neutral
Brown: Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL  OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use

Remove the connector cover.

How to replace the fuse

The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

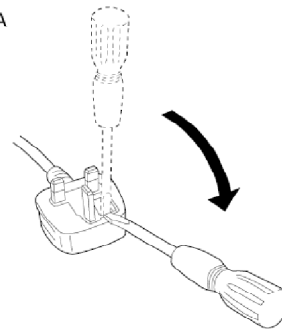
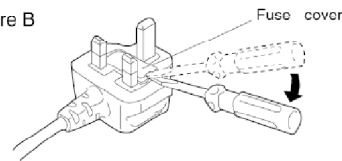


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

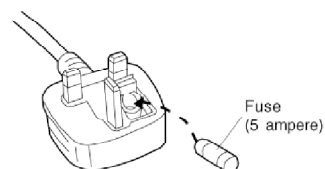
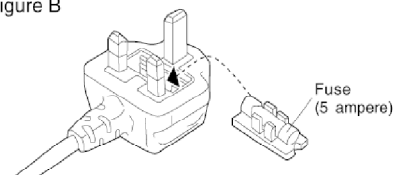
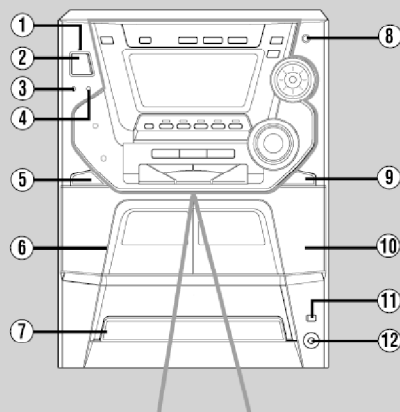


Figure B



7. Operation Procedures

A

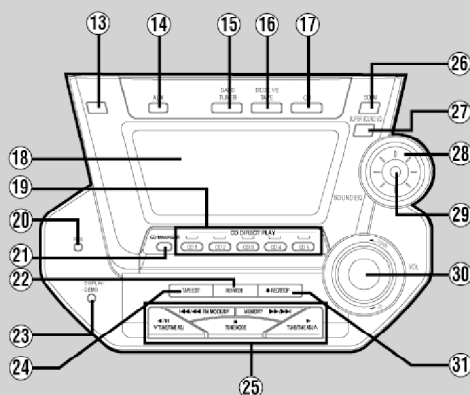


Front panel controls

A Main unit

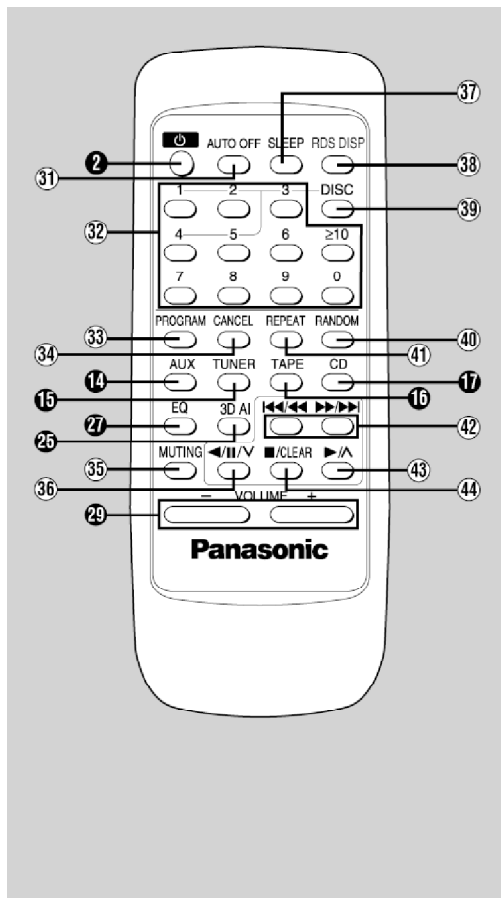
- | No. | Name |
|-----|---|
| ① | AC supply indicator (AC IN)
This indicator lights when the unit is connected to the AC mains supply. |
| ② | For E, EB
Standby/on switch (⏻/⏻)
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power. |
| ③ | Play timer/record timer button
(⏻PLAY/⏻REC) |
| ④ | Clock/timer button (CLOCK/TIMER) |
| ⑤ | Deck 1 open button (⏻ DECK 1 OPEN) |
| ⑥ | Deck 1 cassette holder |
| ⑦ | Disc tray |
| ⑧ | Super woofer on/off button (S.WOOFER) |
| ⑨ | Deck 2 open button (⏻ DECK 2 OPEN) |
| ⑩ | Deck 2 cassette holder |
| ⑪ | CD open/close button (⏻, OPEN/CLOSE) |
| ⑫ | Headphone jack (PHONES) |

B



B Center console

- | | |
|---|---|
| ⑬ | Remote control signal sensor |
| ⑭ | AUX button (AUX) |
| ⑮ | Tuner/band select button (TUNER, BAND) |
| ⑯ | Tape/deck select button (TAPE, DECK 1/2) |
| ⑰ | CD button (CD) |
| ⑱ | Display |
| ⑲ | Disc direct play buttons and indicators
(CD 1 ~ CD 5) |
| ⑳ | RDS button (RDS) |
| ㉑ | CD manager button (CD MANAGER) |
| ㉒ | Reverse mode select button (REV MODE) |
| ㉓ | Display select/demonstration button
(-DISPLAY/-DEMO) |
| ㉔ | Tape edit button (TAPE EDIT) |
| ㉕ | Basic operating buttons
Functions change according to the source. |
| ㉖ | 3D AI button (3D AI) |
| ㉗ | Super sound EQ button (SUPER SOUND EQ) |
| ㉘ | Jog control (SOUND EQ) |
| ㉙ | Joy stick (SOUND EQ) |
| ㉚ | Volume control (VOL) |
| ㉛ | Recording start/stop button (● REC/STOP) |



Front panel controls

Remote control

Buttons such as 2 functions in exactly the same way as the buttons on the main unit.

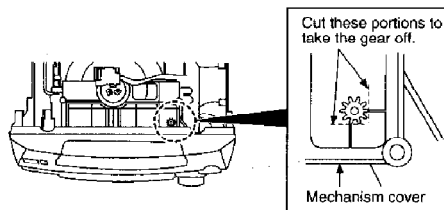
No.	Name
2	Standby/on button (⏻)
31	Auto off button (AUTO OFF)
32	Numeric buttons (≥10, 1-9, 0)
33	Program button (PROGRAM)
34	Cancel button (CANCEL)
14	AUX button (AUX)
15	Tuner/band select button (TUNER)
27	EQ select button (EQ)
25	3D AI select button (3D AI)
35	Muting button (MUTING)
36	Reverse side playback/pause/preset channel select button (◀ /V)
29	Volume buttons (- VOLUME +)
37	Sleep button (SLEEP)
For E, EB	
38	RDS display select button
39	Disc button (DISC)
40	Random button (RANDOM)
41	Repeat button (REPEAT)
17	CD button (CD)
16	Tape/deck select button (TAPE)
42	Skip/search buttons (◀◀/▶▶)
43	Play/preset channel select button (▶/△)
44	Stop/program clear button (■/CLEAR)

8. Disassembly and Main Component Replacement Procedures

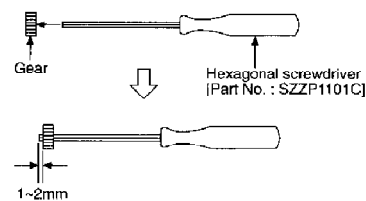
Gear for servicing (jig) information

- This unit has a gear which is used for checking items (Open/close of disc tray, up/down operation of traverse unit by manually) when servicing.
- For preparation of gear (for servicing), Perform the procedures as follows.
- In case of re-servicing the same set, the "gear for servicing" may have been taken off because it has been used. The "gear for servicing" must be stored.

- Remove the gear provided with mechanism cover as shown below.



- Insert the hexagonal screwdriver (2mm) into the gear, and then project the tip of screwdriver for 1~2mm in length.



"ATTENTION SERVICER"

Some chassis components may have sharp edges.
Be careful when disassembling and servicing.

1. This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.
2. For reassembly after operation checks or replacement, reverse the respective procedures.
Special reassembly procedures are described only when required.
3. Select items from the following index when checks or replacement are required.

Contents

- Disassembly and assembly main unit
 1. Checking of the Main, Panel, Deck and Power P.C.B.
 2. Checking of the Power P.C.B.
- Main Component Replacement Procedures
 1. Replacement of the Traverse Deck.
 2. Replacement of the Power Amplifier IC.
- Disassembly and assembly of the Traverse Unit
- Disassembly and assembly of the Disc Tray

Warning:

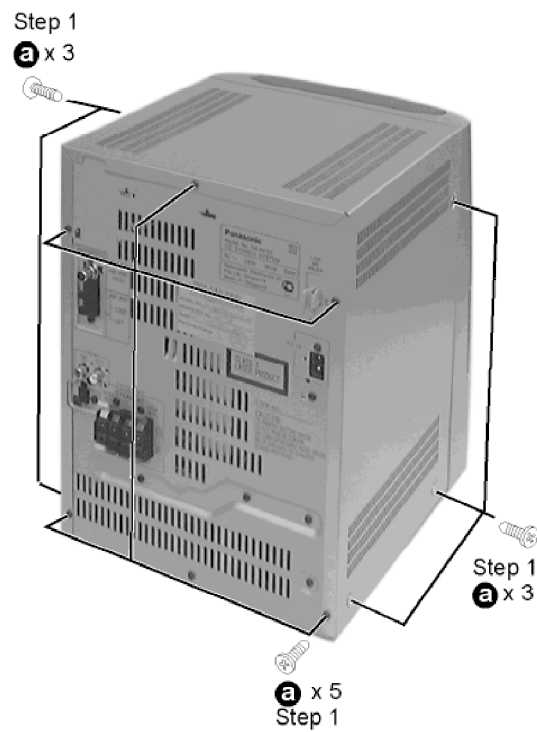
This product uses a laser diode. Refer to caution statement
Precaution of Laser Diode.

ACHTUNG :-

- Die Lasereinheit nicht zerlegen.
- Die Lasereinheit darf nur gegen eine vom Hersteller spezifizierte Einheit ausgetauscht werden.

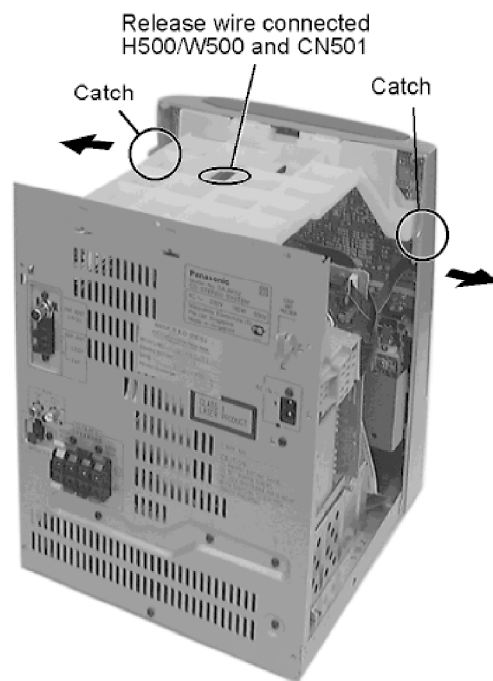
8.1. Disassembly Procedure For Each Major P.C.B. Checking

8.1.1. Checking of the Main, Transformer, Panel and Deck P.C.B.



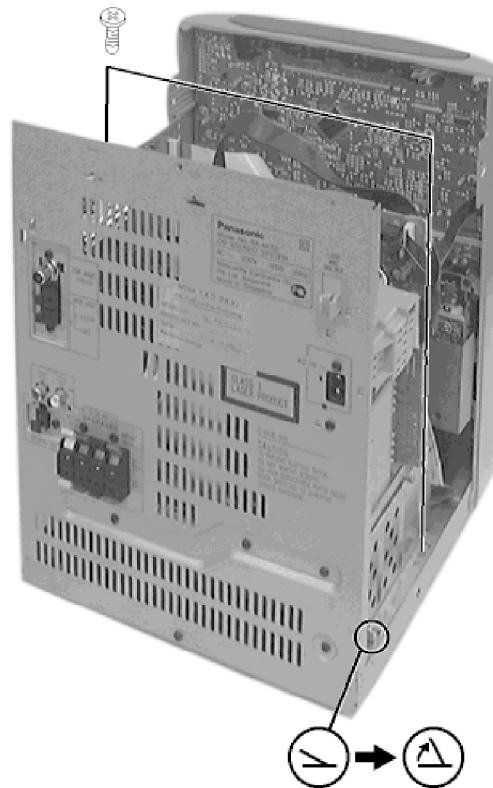
Step 2 Remove the top cabinet.

Step 3 Remove the T-bracket.



Step 4

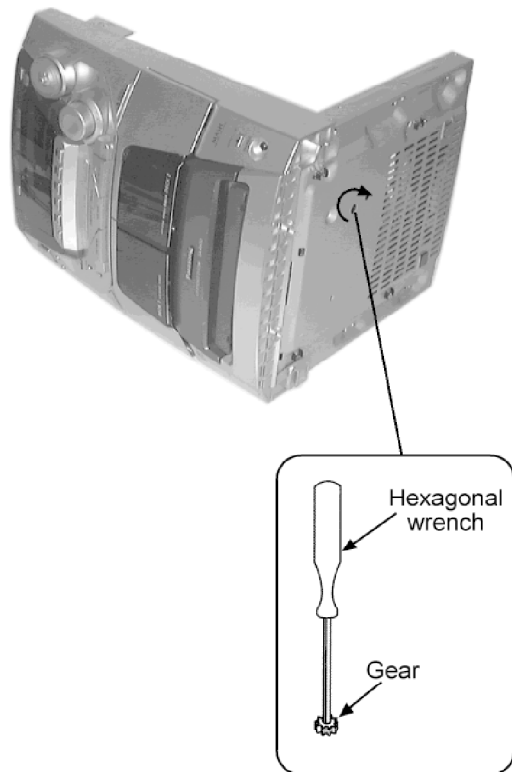
a x 2



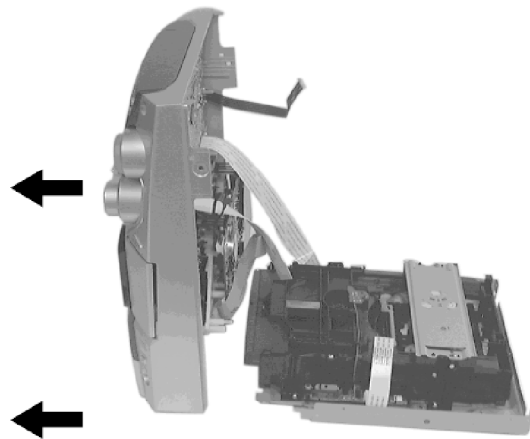
Step 5 Turn locating pin on both sides 90°. (Locating pin need not to be bent back.)



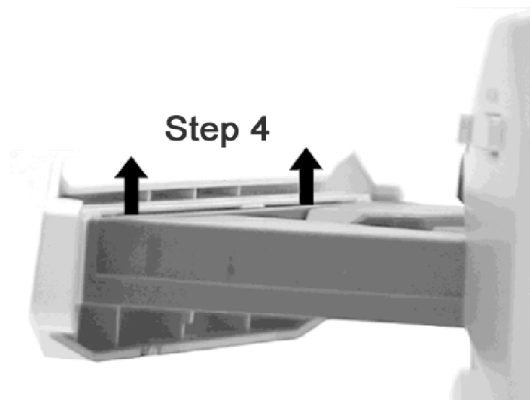
Step 6 Release the wires CN302, CN303, CN304, CN309 and CN502. Remove rear panel by pulling it backward and lift the rear panel assembly.



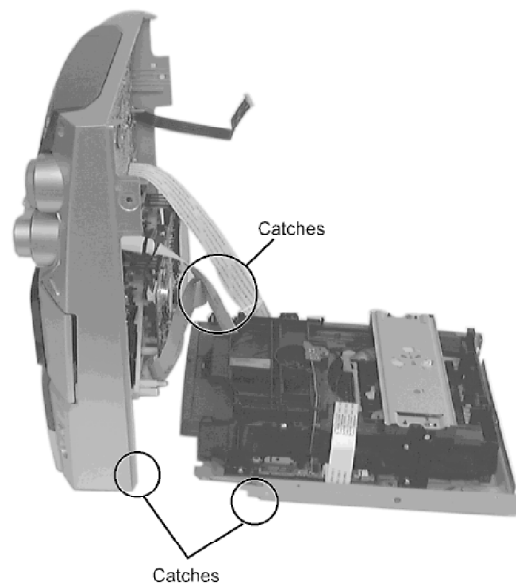
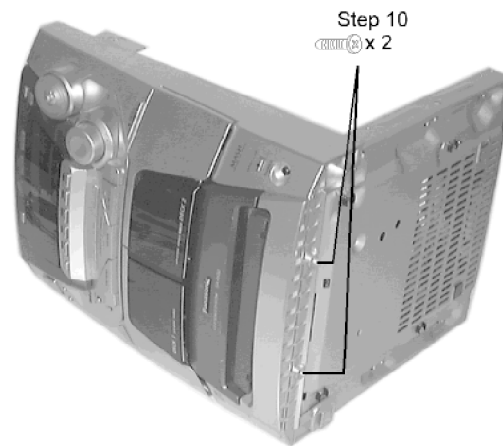
Step 7 Use a hexagonal wrench and turn clockwise to release the tray.



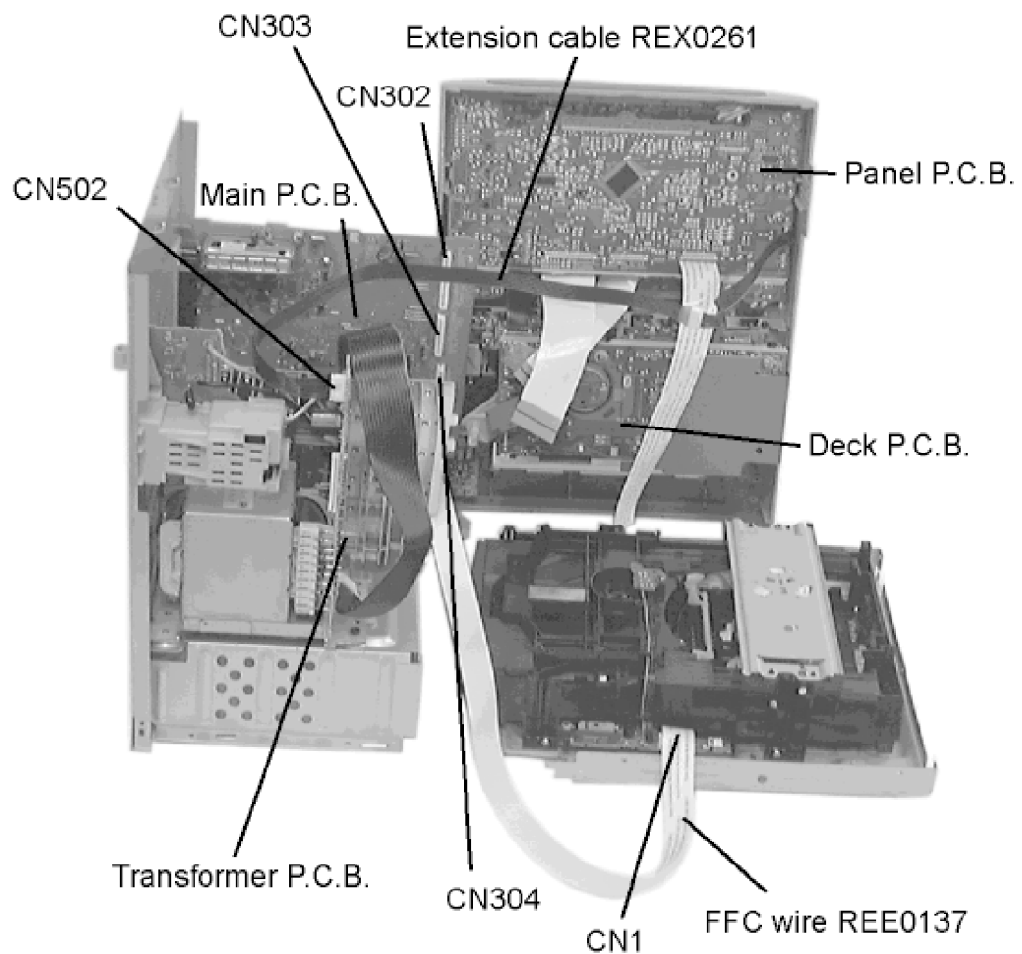
Step 8 Pull the CD tray in the direction shown above.



Step 9 Remove the CD lid in the direction of the arrow.

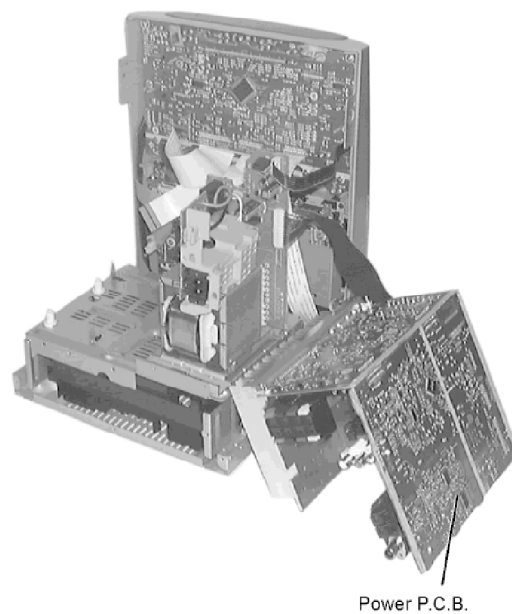


Step 11 Release the two catches shown above to remove the front cabinet from the CD traverse unit.



Step 12 Connect back the wire to CN302, CN303 and CN304. Use the extension wire (REXX0261) to connect to CN502. Use a FFC wire (REEX0137) to connect CN1 to CN309.

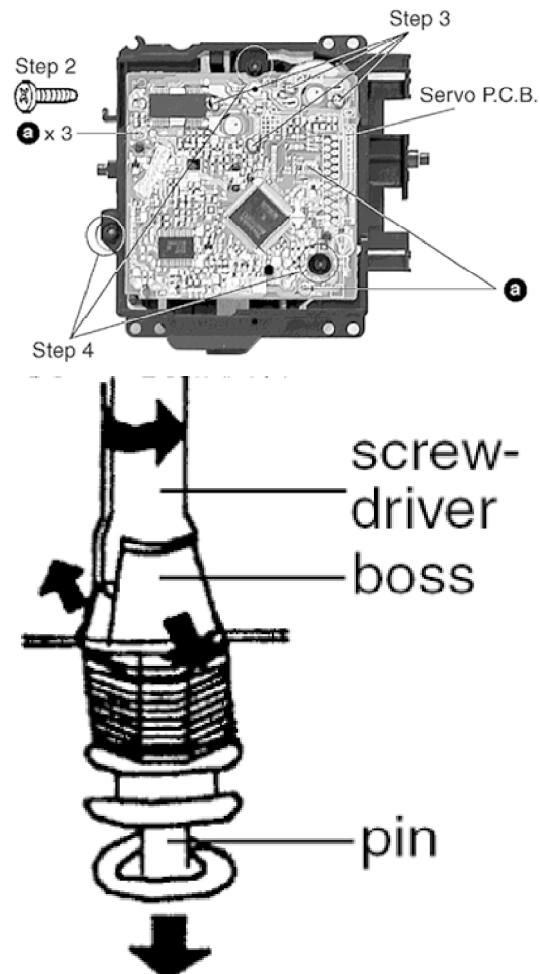
8.1.2. Checking of the Power P.C.B.



8.2. Main Component Replacement Procedures

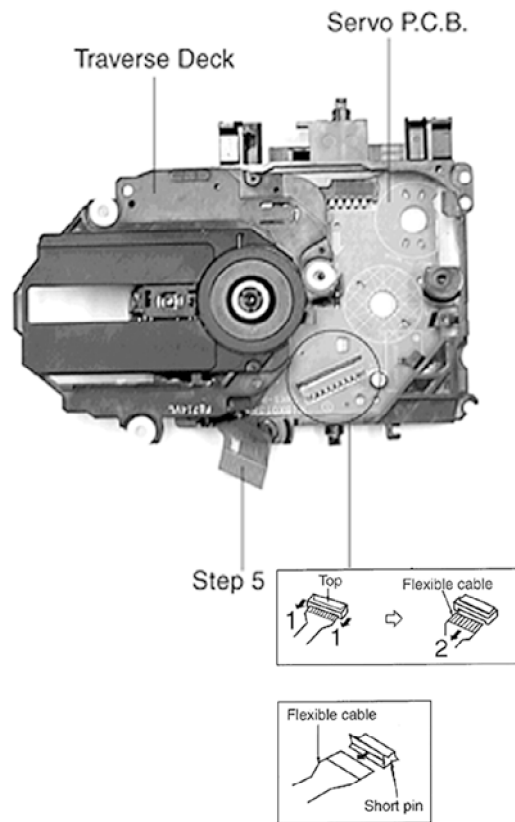
1. Replacement of the Traverse Deck

Step 1 Follow the procedures in 'Disassembly of the Traverse Unit' (Step 1 - Step 4)



Step 3 Desolder the 4 legs of the 2 motors and pull out the Servo P.C.B.

Step 4 Widen the 3 bosses with a flat screwdriver and pull out the 3 pins. Then remove the Traverse Deck.



Step 5 Remove the flexible cable CN 701.

- Removal of the flexible cable. Push the top of the connector in the direction of the arrow 1, and then pull out the flexible cable in the direction of the arrow 2.

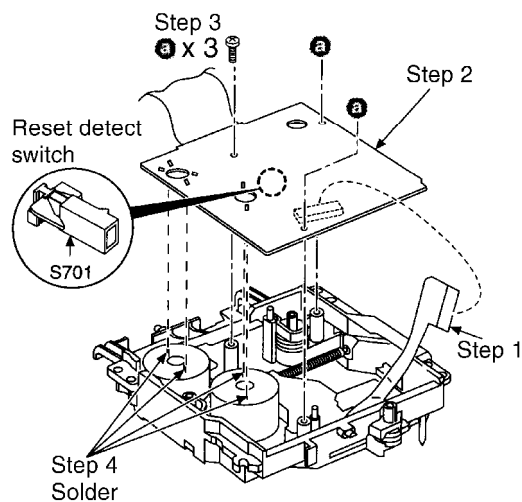
Note:

Insert a short pin into the flexible cable for traverse unit.

- Installation of the CD servo P.C.B. after replacement

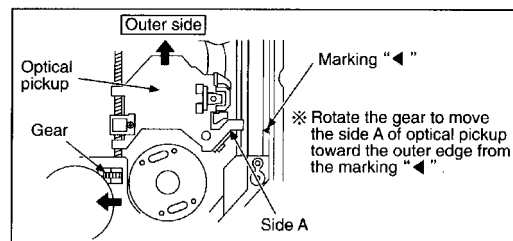
Step 1 Connect the FFC board.

Step 2 Install the CD servo P.C.B. in the traverse deck assembly.



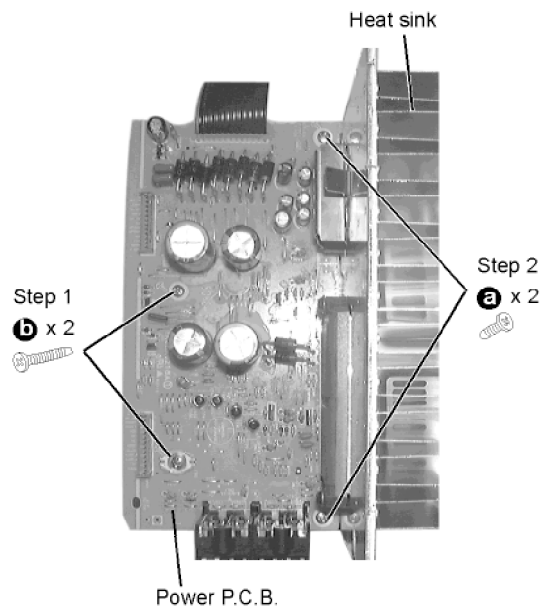
Note:

Before installing the CD servo P.C.B., move the optical pickup towards the outer edge from the marking (black triangle). [Otherwise, the reset detect switch (S701) mounted on the CD servo P.C.B. may be damaged.]



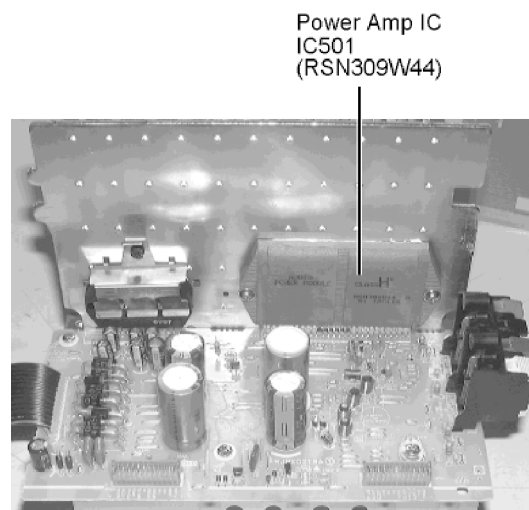
2. Replacement of the Power Amplifier IC

Step 1 Follow the procedures in 'Checking Procedure for each major P.C.B.' (Step 1 - Step 4).

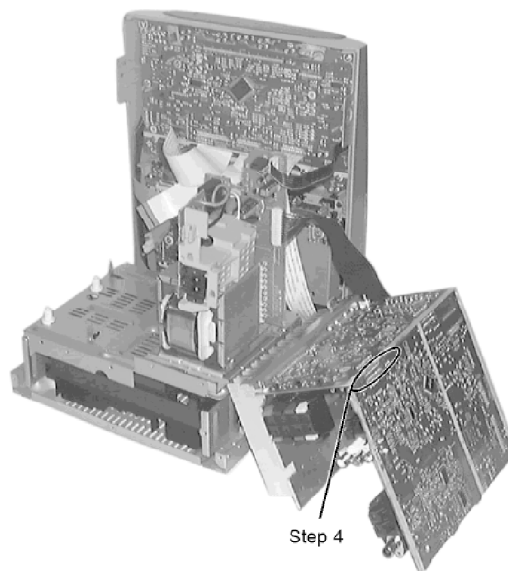


Step 2 Remove the wires at CN302, CN303 and CN304 and pull out the Main P.C.B.

Step 3 Remove 4 screws fixed to the Power Amplifier IC.



Step 4 Unsolder the terminals of Power Amp IC and replace the respective component.

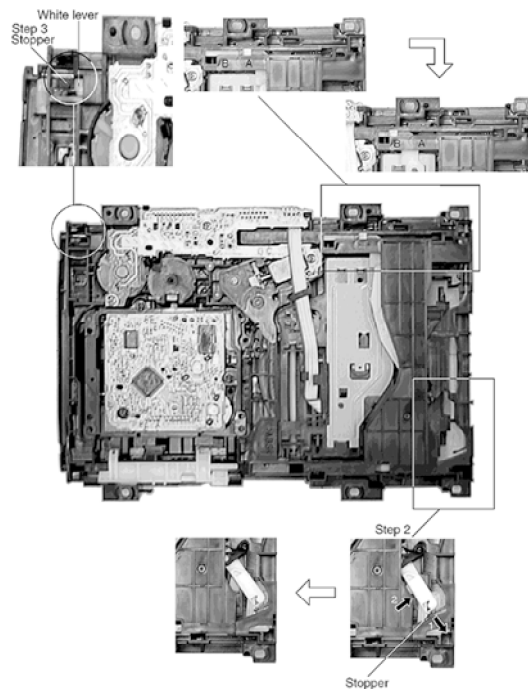


8.3. Disassembly and assembly of the Traverse Unit

Step 1 Push the lever from position A to B.

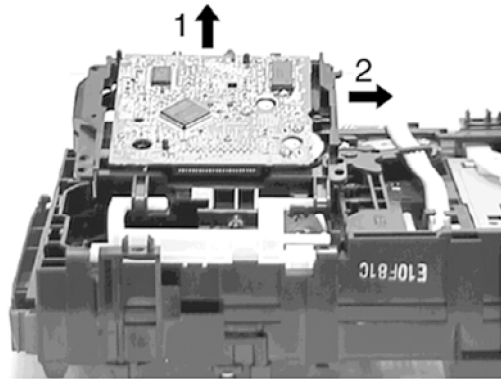
Step 2 Pull the stopper (black) in the direction of arrow 1 and push the lever in the direction of arrow 2.

Step 3 Push the steeper (black) down until the white lever eject out.



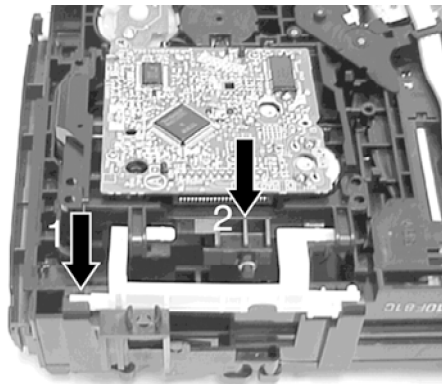
Step 4 Lift up the traverse unit and slide out the unit as shown.

- Replacement of Traverse Unit

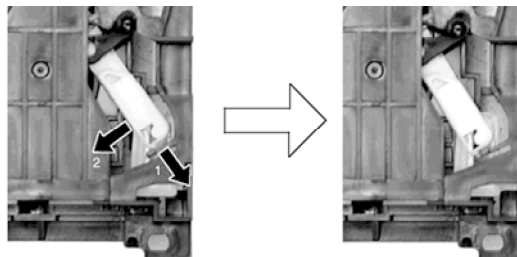


Step 1 Place the traverse unit as shown.

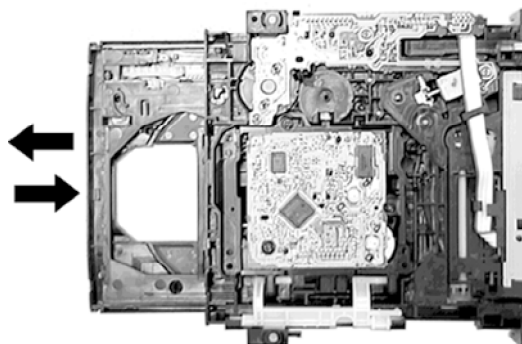
Step 2 Press in the lever shaft in the direction of arrow 1 as shown and push the traverse unit into the position in the direction of arrow 2.



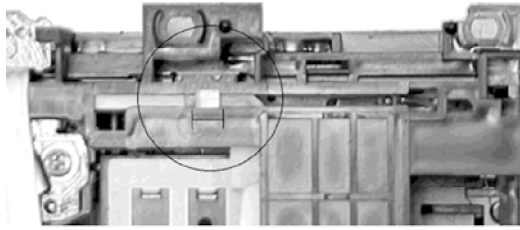
Step 3 Pull the stopper in the direction of arrow 1 and release the lever in the direction of arrow 2 as shown.



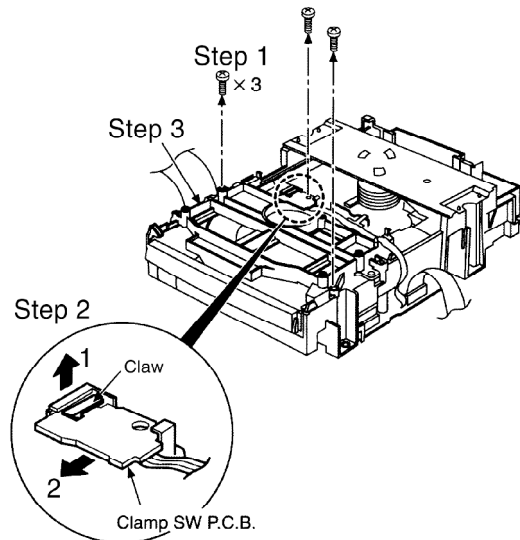
Step 4 Pull out the tray half way and push it back fully.



Step 5 Push the lever to the initial position indicated 'I---I'.

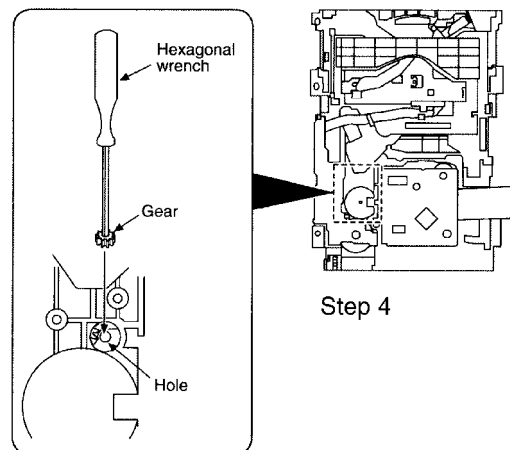


8.4. Disassembly and assembly of the Disc Tray

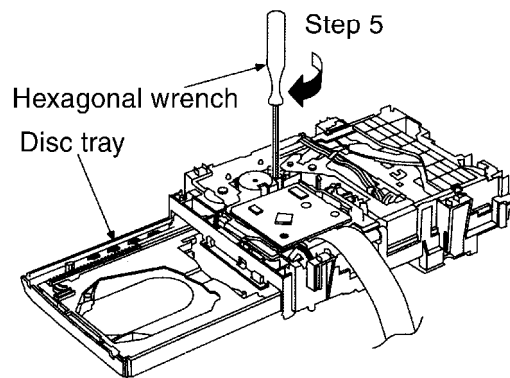


Step 3 Remove the mechanism cover.

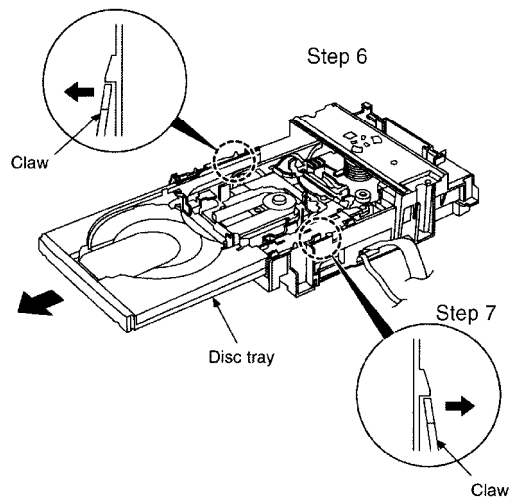
Step 2 With lifting the claw in the direction of arrow 1, draw the clamp SW P.C.B. in the direction of arrow 2.



Step 4 Insert the gear with hexagonal wrench into the hole.

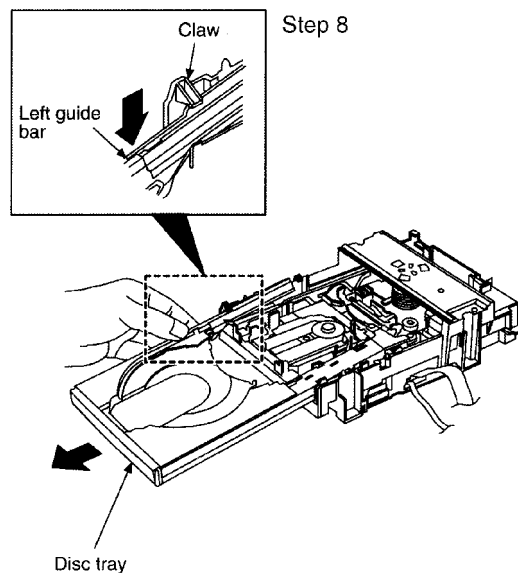


Step 5 Rotate the hexagonal wrench in the direction of arrow (clockwise), and then open the disc tray fully.



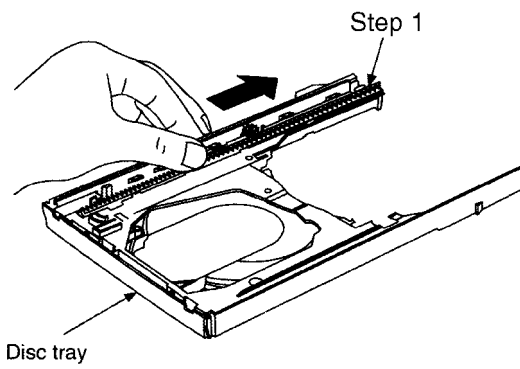
Step 6 Upset the CD changer unit again.

Step 7 Release both the claws, and then draw the disc tray.

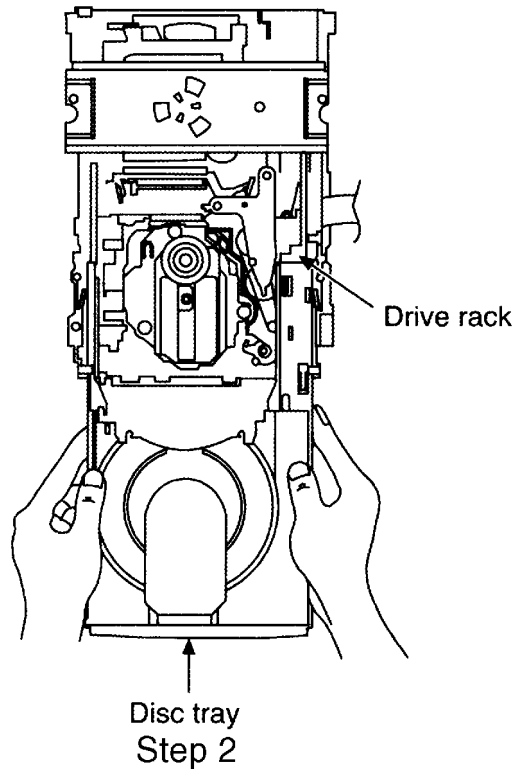


Step 8 With forcing the left guide bar manually because the left guide bar interferes with claw, draw the disc tray.

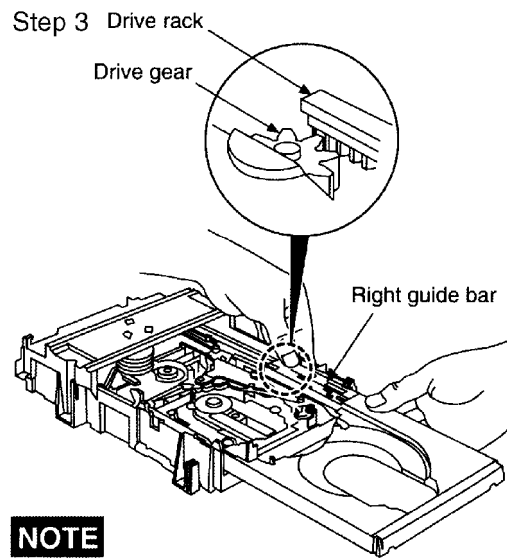
- Installation of the disc tray after replacement



Step 1 Slide the drive rack fully in the direction of arrow.



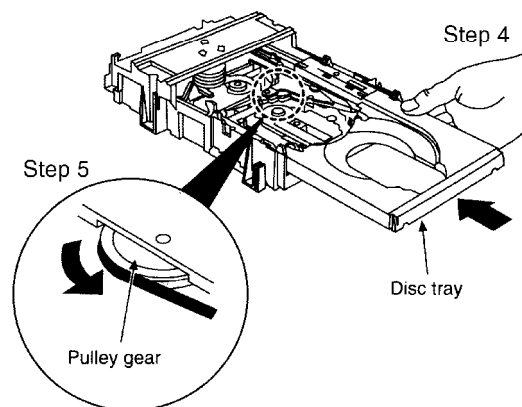
Step 2 Holding the drive rack not to move, install the disc tray.



NOTE

Force the right guide bar of tray base manually not to move upwards.

Step 3 Align the drive rack with the driver gear.



Step 4 Holding the disc tray manually, rotate the pulley gear in the direction of arrow.

Step 5 Rotate the gear 5 or 6 times manually, and then push the disc tray.

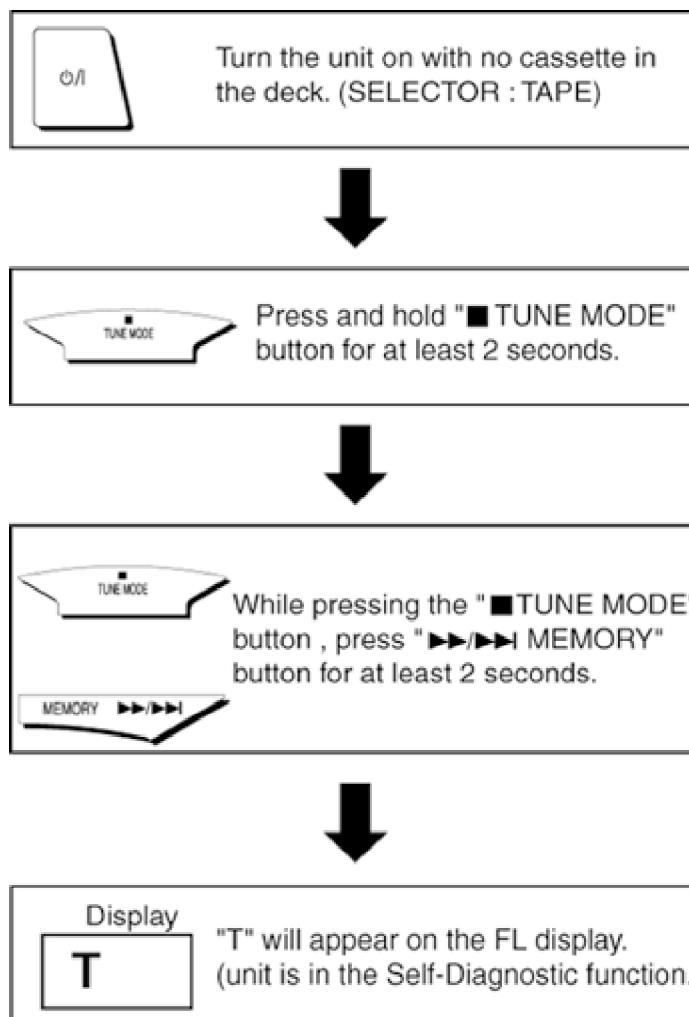
9. Self-Diagnostic Function

9.1. Self-diagnostic display

This unit is equipped with a self-diagnostic display function which, if a problem occurs, will display an error code corresponding to the problem.

Use this function when performing maintenance on the unit.

9.2. How to enter the Self-Diagnostic Function



9.3. Cassette Mechanism Test (For error code H01, H02, H03, F01, F02)

1. Press "TAPE, DECK 1/2" to select Deck 2.
2. Load a cassette tape with the erasure prevention tab, remove from left side only and close the cassette holder.
3. Press "FAST FORWARD MEMORY" (Tape will be stop after 2 seconds)
4. Load a cassette tape with the erasure prevention tab, remove from right side only and close the cassette holder.
5. Press "REVERSE FM MODE/BP" (Tape will be stop after 2 seconds)
6. Load a pre-recorded tape with both side record tabs intact and close the cassette holder.

7. Press "PLAY/TUNE/TIME ADJ UP" (After TPS function, tape will stop automatically)

8. Press "REC/STOP" (Tape will not move)

9. Press "STOP/TUNE MODE" to indicate Error code.

- If several problem exist, error code will change each time when " ■ /TUNE MODE" is pressed.
(e.g. H01 → H03 → F01 etc.)

10. Press "TAPE, DECK 1/2" to select Deck 1.

11. Repeat step 2 to 9 to test Deck 1. (Tape Deck 1 will not check H02 because of no recording function)

9.4. CD Mechanism Test (F15, F26, F16, F17, F27, F28, F29, H15)

1. Press "CD".

2. Press "OPEN/CLOSE (1)" and place a CD.

3. Press "OPEN/CLOSE (1)" to close the tray.

4. Press "OPEN/CLOSE (5)" and wait until the tray is open.

5. Press "OPEN/CLOSE (1)" and remove the CD.

6. Press "OPEN/CLOSE (1)" to close the tray.

7. Press " ■ /TUNE MODE" to indicate Error Code.

- If several problem exist, error code will change each time when " ■ /TUNE MODE" is pressed. (e.g. F15 → F26 → F16 etc).

9.5. To clear all Error code

1. Press "STOP/TUNE MODE" button for 5 seconds.

2. FL indicator shows "CLEAR" for 1 second and change to "T".

9.6. How to get out from Self-Diagnostic function

1. Press "Power" button OFF.

9.7. Power Amplifier Failure (F61)

1. When power amplifier fail, F61 will indicate automatically.

10. Description of Error Code

10.1. Error detection for Cassette Mechanism block

No.	Error	Error Display	Problem condition
1	MODE SW detection error	H01	Faulty operation of cassette mechanism. Faulty contact or short-circuit of mechanism mode switch (S951, S971).
2	REC INH SW detection error	H02	Recording not possible. Faulty contact or short-circuit of REC INH switch (S975).
3	HALF SW detection error	H03	Playback cannot perform. Faulty contact or short-circuit of HALF switch (S972).
4	Reel Pulse detection error	F01	The tape advances slightly and then stops. Faulty reel pulse, faulty hole detect IC (IC951, IC952).
5	TPS abnormal	F02	Cassette deck will not perform TPS function. Faulty playback EQ/recording amplifier IC (IC101).

10.2. Error detection for CD/Changer block

No.	Error	Error Display	Problem condition
1	REST SW detection error	F15	CD does not function. This error occurs when the Optical Pick Up REST switch (S701) is not detected within the specified time (about 8 seconds).
2	CD tray opens automatically	F16	CLAMP switch (S4) NG (Check & Replace)
3	Does not startup when [PLAY] button is pressed	F17	BOTTOM switch (S5) NG (Check & Replace)
4	Transmission error between CD servo LSI and micon	F26	CD does not function. This error occurs when the POWER is ON for the block and an error is detected after the transmission has started.
5	Startup fails even when you insert CD or the selected disc tray does not open	F27	Tray 1 detect switch or Tray 2 detect switch NG (Check & Replace)
6	Cannot insert CD	F28	Tray 1 detect switch NG (Check & Replace)
7	Cannot eject CD	F29	Check if disc is stuck. Tray 2 detect switch NG (Confirm & Replace)
8	The CD tray closes	H15	CD disc tray detect switch NG (S3) (Check & Replace)

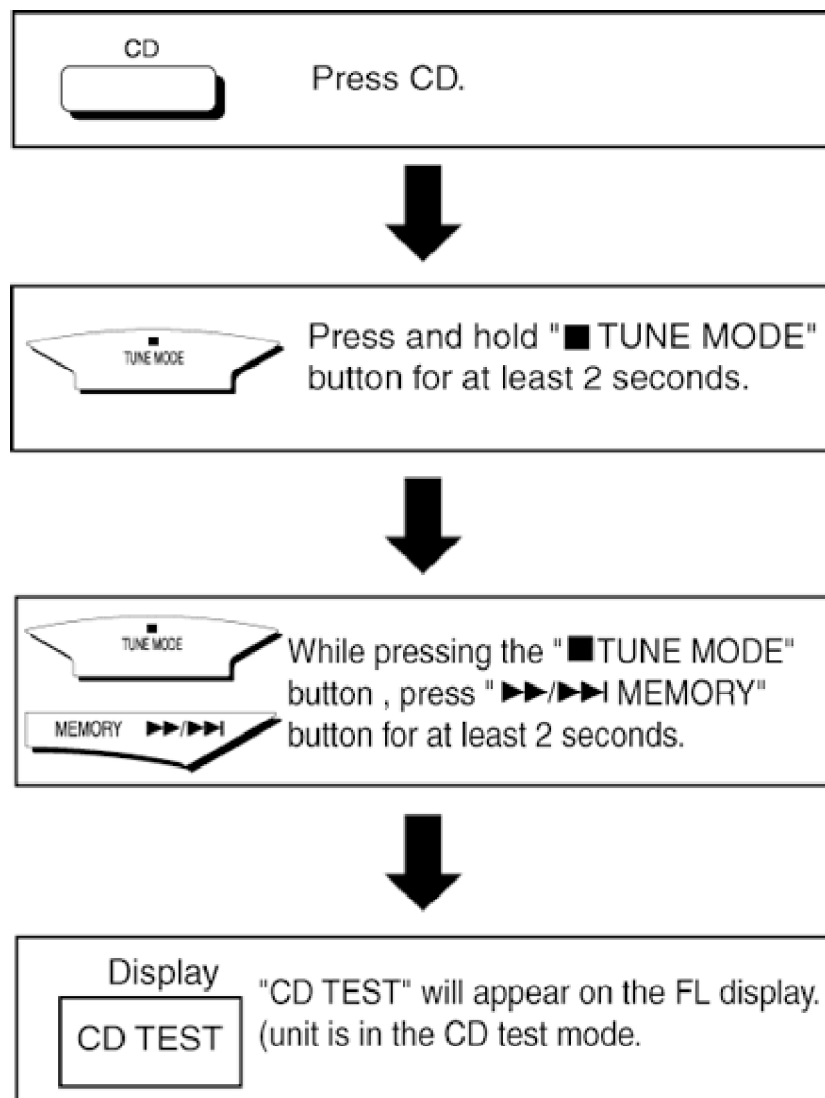
10.3. Power Supply related error detection

No.	Error	Error Display	Problem condition
1	POWER AMP output abnormal	F61	When POWER is switched on, power become off automatically. During normal operation, if DC DET become L, PC shall become L and the error display on the left shall be display (IC501)

11. CD Test Mode Function

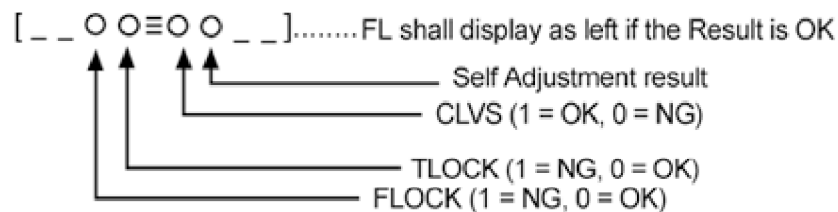
This CD test mode is provided to check CD unit without connecting to changer loading mechanism. This mode shall operate CD PLAY with CD unit being connected only and CD Automatic Alignment result is shown on FL display.

11.1. How to set CD test mode



11.2. CD Automatically Adjustment result indication

Under CD test mode, pressing the numeric key '0' on the remote controller will display the auto adjustment result. FLOCK, TLOCK and CLVS status shall be shown as below:

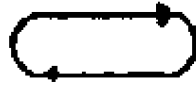


During the above display, executing CD PLAY will display auto adjustment result for CD PLAY mode.

12. Measurements and Adjustments

12.1. Cassette Deck Section

- Measurement Condition

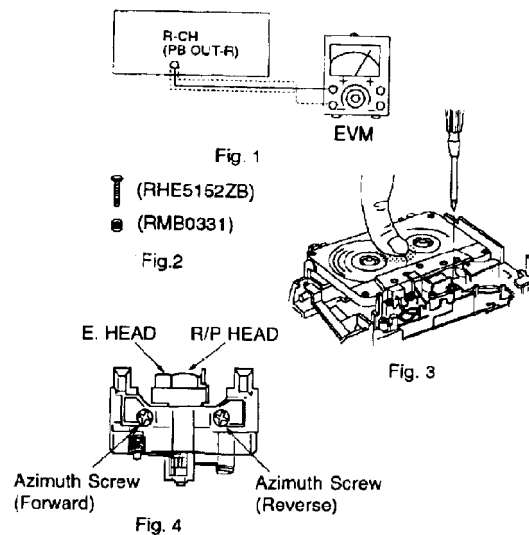


- Reverse-mode selector switch:
- Tape edit: NORMAL
- Record timer: OFF
- Make sure head, capstan and press roller are clean.
- Judgeable room temperature 20 ± 5 °C (68 ± 9 °F)
- Measuring instrument
- EVM (Electronic Voltmeter)
- Digital quency counter
- Test Tape
- Head azimuth adjustment (8 kHz, -20 dB); QZZCFM
- Tape speed gain adjustment (3 kHz, -10 dB); QZZCWAT
- Playback gain adjustment (315 Hz, 0 dB); QZZCFM
- CrO2 tape, QZZCRX

12.1.1. Head Azimuth Adjustment (Deck 1/2)

Caution:

- Please replace both azimuth adjustment screw (RHE5152ZB) and springs (RM0331) simultaneously when readjusting the head azimuth. (shown in Fig. 2) Even if you wish to readjust the head azimuth without replacing the acrews and springs, a fine adjustment to the azimuth screw and spring.
 - Please remove the screw-locking bond left on the head base when replacing the azimuth screw.
 - If you wish to readjust the head azimuth, be sure to adjust with adhering the cassette tape closely to the mechanism by pushing the center of cassette tape with your finger. (shown in Fig. 3)
1. Playback the azimuth adjustment portion (8 kHz, -20dB) of the test tape (QZZCFM) in the forward play mode. Vary the azimuth adjustment screw until the output of the R-CH (PB OUT-R) are maximized.
 2. Perform the same adjustment in the reverse play mode.
 3. After the adjustment, apply screwlock to the azimuth adjusting screw.

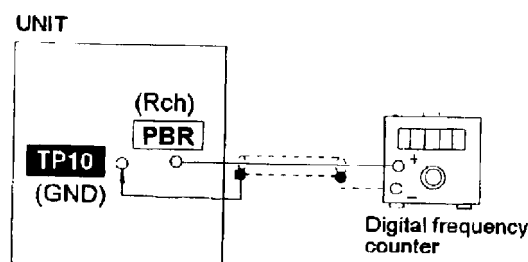


12.1.2. Tape Speed Adjustment (Deck 1/2)

1. Set the tape edit button to “NORMAL” position.
2. Insert the test tape (QZZCWAT) to DECK 2 and playback (FWD side) the middle portion of it.
3. Adjust Motor VR (DECK 2) for the output value shown below.

Adjustment target: 2940 ~ 3060 Hz
(NORMAL speed)

4. After alignment, assure that the output frequency of the DECK 2 REV and DECK 1 FWD are within $\pm 45\text{Hz}$ and $\pm 60\text{ Hz}$ respectively of the value of the output frequency of DECK 2 FWD.



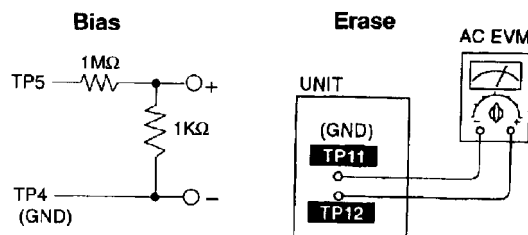
12.1.3. Bias and Erase Voltage Check

1. Set the unit “AUX” position.
2. Insert the Normal blank tape (QZZCRA) into DECK 2 and the unit to “REC” mode (use “ ● REC/STOP” key).
3. Measure and make sure that the output is within the standard value.

4. Insert the CrO2 tape (QZZCRX).

5. Repeat step 2 and 3.

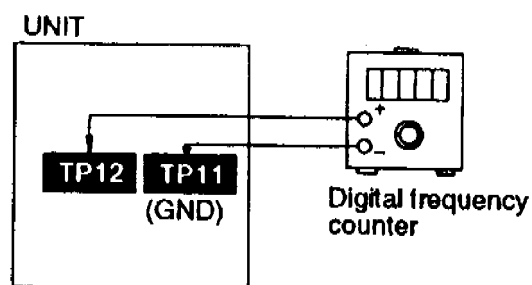
Bias voltage for Deck 2	$14 \pm 4\text{mV}$ (Normal)
Standard value)	$17 \pm 5\text{mV}$ (CrO2)
Erase voltage for Deck 2	more than 80mV (Normal)
	more than 90mV (CrO2)



12.1.4. Bias Frequency Adjustment (Deck 1/2)

1. Set the unit to "AUX" position.
2. Insert the Normal blank tape (QZZCRA) into DECK 2 and set the unit to "REC" mode (● use "REC/STOP" key).
3. Adjust L1002 so that the output frequency is within the standard value.

Standard Value: 97
±8 kHz



12.2. Tuner Section

12.2.1. AM-IF Alignment

- AM-IF ALIGNMENT

SIGNAL GENERATOR OR SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLTMETER OSCILLOSCOPE)	ADJUSTMENT(Shown in Fig.3)	REMARKS
CONNECTIONS	FREQUENCY				
Fashion a loop of several turns of wire and radiate signal into loop of receiver.	450 kHz 30% Mod. at 400Hz.	Point of non-interference (on/ about 600 kHz)	Headphone Jack (32 Ω) Fabricate the plug as shown in Fig. 2 and then connect the lead wires of the plug to the measuring instrument.	Z102 (AM IFT)	Adjust for maximum output

- AM-RF ALIGNMENT

SIGNAL GENERATOR OR SWEEP GENERATOR		RADIO DIAL SETTING	INDICATOR (ELECTRONIC VOLTMETER OSCILLOSCOPE)	ADJUSTMENT(Shown in Fig.1)	REMARKS
CONNECTIONS	FREQUENCY				
Fashion a loop of several turns of wire and radiate signal into loop of receiver.	522 kHz	Tuning capacitor fully closed.	Headphone Jack (32 Ω) Fabricate the plug as shown in Fig. 2 and then connect the lead wires of the plug to the measuring instrument.	Z101 (AM OSC Coil)	Adjust for maximum output
Fashion a loop of several turns of wire and radiate signal into loop of receiver.	603 kHz	Tuning capacitor fully open.	Headphone Jack (32 Ω) Fabricate the plug as shown in Fig. 2 and then connect the lead wires of the plug to the measuring instrument.	Z101 (AM ANT Coil)	Adjust for maximum output

12.3. Alignment Points

Cassette Deck Section

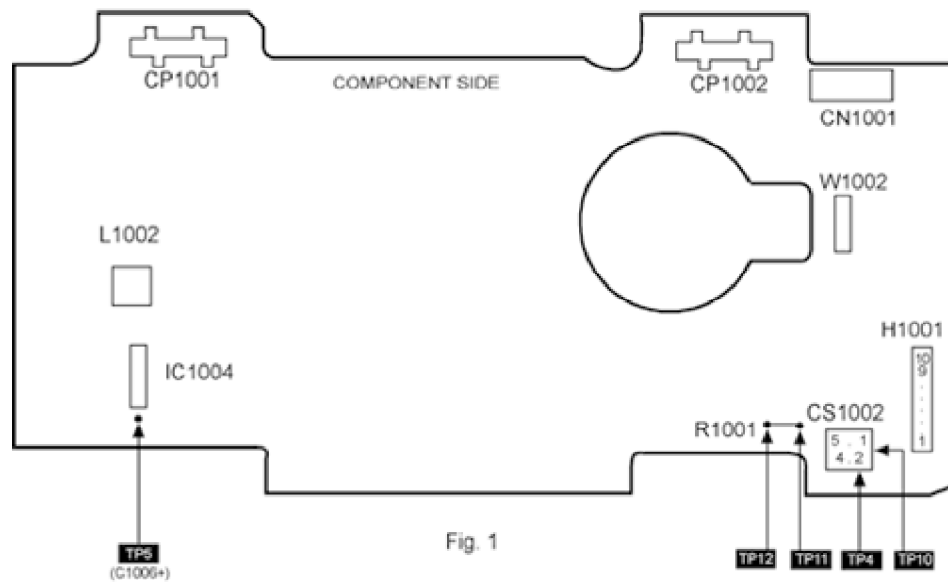


Fig. 1

Tuner Section

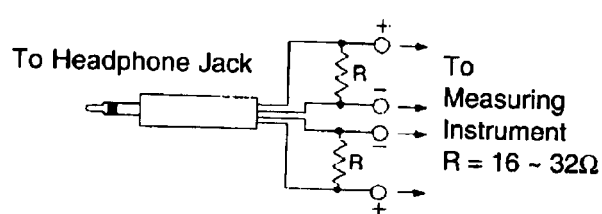


Fig. 2

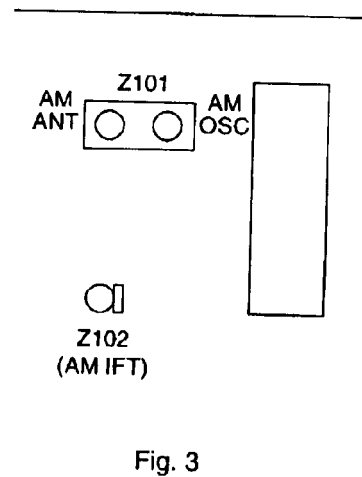


Fig. 3

13. Illustration of IC's, Transistors and Diodes

14. Terminal Function of IC's

14.1. IC701 (AN8885SBE1) Servo Amplifier

Pin No.	Mark	I/O	Function
1	PDE	I	Tracking signal input 1
2	PDF	I	Tracking signal input 2
3	VCC	I	Power supply
4	PDA	I	Focus signal input terminal 1
5	PDB	I	Focus signal input terminal 2
6	LPD	I	APC amp input
7	LD	O	APC amp output
8	RF	O	RFsumming output
9	RFIN	I	Detector's input
10	CSBRT	I	Capacitor for OFTR connection
11	CEA	I	Capacitor for HPF amp connection
12	BDO	O	BDO output ("H" : drop out)
13	LDON	I	APC control
14	GND	—	Ground
15	/RFDET	O	NRFDET output ("L" : detection)
16	PDOWN	O	Power-down input
17	OFTR	O	OFTR output
18	NC	O	N.C.
19	ENV	O	3T-ENV output
20	NC	I	N.C.
21	NC	I	N.C.
22	TEN	I	TE amp input
23	TEOUT	O	TE amp output
24	FEOUT	O	FE amp output
25	FEN	I	FE amp input
26	VREF	O	Reference voltage output
27	TBAL	I	Tracking balance control
28	FBAL	I	Focus balance control

14.2. IC702 (MN662790RSC) Servo Processor, Digital Signal Processor, Digital Filter, D/A Converter

Pin No.	Mark	I/O	Function
1	BCLK	O	N.C.
2	LRCK	O	N.C.
3	SRDATA	O	N.C.
4	DVDD1	I	Power supply input (for digital circuit)
5	DVSS1	I	GND (for digital circuit)
6	TX	O	Digital audio interface signal output (Latches data at first transition)
7	MCLK	I	Microprocessor command clock signal input
8	MDATA	I	Microprocessor command data signal input
9	MLD	I	Microprocessor command load signal input
10	SENSE	O	Sense signal output (OFT, FESL,MAGEND, NAJEND,POSAD,SFG) (Not used, open)
11	/FLOCK	O	Focus servo feeding signal output ("L" : Feed)
12	/TLOCK	O	Tracking servo feeding signal output ("L" : Feed)
13	BLKCK	O	Sub-code block clock signal output (BLKCKf = 75Hz during normal playback)
14	SQCK	I	External clock signal input for sub-code Q resistor
15	SUBQ	O	Sub-code Q code output
16	DMUTE	I	Muting input ("H" : mute)
17	STAT	O	Status signal output (CRC,CUE,CLVS, TTSTVP,FCLV,SQCK)
18	/RST	I	Reset signal input

Pin No.	Mark	I/O	Function
19	SMCK	O	1/2-divided clock signal of crystal oscillating at MSEL = "H" (fSMCK = 8.4672 MHz) 1/4-divided clock signal of crystal oscillating at MSEL = "L" (fSMCK = 4.2336 MHz)
20	CSEL	I	Frequency Selection Terminal H = 33.8688 MHz ; L = 16.9344 MHz
21	TRV	O	N.C
22	TVD	O	Traverse drive output
23	PC	O	Spindle motor ON output ("L" : ON)
24	ECM	O	Spindle motor drive signal output(forced mode output)
25	ECS	O	Spindle motor drive signal output (servo error signal output)
26	KICK	O	N.C.
27	TRD	O	Tracking drive output
28	FOD	O	Focus drive output
29	VREF	I	D/A (drive) output (TVD, ECS, TRD, FOD, FBAL, TBAL) Reference voltage input
30	FBAL	O	Focus balance adjustment output
31	TBAL	O	Tracking balance adjustment output
32	FE	I	Focus error signal input (analog input)
33	TE	I	Tracking error signal input (analog input)
34	RFENV	I	RF envelope signal input
35	VDET	I	Vibration detection signal input ("H" : detection)
36	OFT	I	Off-track signal input ("H" : off track)

Pin No.	Mark	I/O	Function
37	TRCRS	I	Track cross signal input
38	/RFDET	I	RF detection signal input ("L" : detection)
39	BDO	I	Dropout signal input ("H" : Dropout)
40	LDON	O	Laser on signal output ("H" : ON)
41	PLL2	I/O	N.C.
42	DSL2	O	Tracking Offset alignment output/DSL Balance Output (DA Output)
43	WVEL	O	N.C.
44	ARF	I	RF signal input
45	IREF	I	Reference current input
46	DRF	I	DSL bias terminal (Not used, open)
47	DSL	I/O	DSL loop filter terminal
48	PLL	I/O	PLL loop filter terminal
49	VCOF	I/O	VCO loop filter terminal
50	AVDD2	I	Power supply input (for analog circuit)
51	AVSS2	I	GND (for analog circuit)
52	EFM	-	EFM signal output
53	PCK	-	PLL extraction clock output (fPCK = 4.321 MHz during normal playback)
54	VCOF2	I/O	VCO Loop filter for 33.8688 MHz conversation terminal for 16.9344 MHz crystal mode, must use other circuit
55	SUBC	O	Sub-code serial data output
56	SBCK	I	Clock input for sub-code serial data
57	VSS	I	GND

Pin No.	Mark	I/O	Function
58	X1 IN	I	Crystal oscillating circuit input (f = 16.9344MHz)
59	X2 OUT	O	Crystal oscillating circuit input (f = 16.9344 MHz)
60	VDD	I	Power supply input (for oscillating circuit)
61	BYTCK	-	Byte clock output
62	/CLDCK	-	Sub-code frame clock signal output (fCLDCK = 7.35 kHz during normal playback)
63	FCLK	-	Crystal frame clock signal output (fCLK = 7.35 kHz, double = 14.7 kHz)
64	IPFLAG	-	Interpolation flag output ("H" : Interpolation)
65	FLAG	-	Flag output
66	CLVS	-	Spindle servo phase synchronizing signal output ("H" : CLV, "L" : rough servo)
67	CRC	-	Sub-code CRC checked output ("H" : OK, "L" :NG)
68	DEMPH	-	De-emphassis ON signal output ("H" : ON)
69	RESY	-	Frame re-synchronizing signal output
70	IOSEL	I	Mode Switching Terminal
71	/TEST	I	Test input
72	AVDD1	I	Power supply input (for analog circuit)
73	OUTL	O	Left channel audio signal output
74	AVSS1	I	GND
75	OUTR	O	Right channel audio signal output

Pin No.	Mark	I/O	Function
76	RSEL	I	RF signal polarity assignment input (at "H" level, RSEL="H", at "L" level, RESL="L")
77	IOVOD	I	5V supply input
78	PSEL	I	Test terminal (connected to Gnd)
79	MSEL	I	SMCK oscillating frequency designation input ("L": 4.2336 MHz, "H": 8.4672 MHz)
80	SSEL	I	SUBQ output mode select ("H": Q-code buffer mode)

14.3. IC703 (AN8739SBE2) Focus Coil, Tracking Coil, Traverse Motor, Spindle Motor Drive

Pin No.	Mark	I/O	Function
1	/RST	-	RESET output terminal
2	NC	-	N.C.
3	IN2	I	Motor Drive (2) input
4	PC2	I	Turntable motor drive signal ("L": ON)
5	NC	-	N.C.
6	IN1	I	Motor driver (1) input
7	NC	I	N.C.
8	PVCC1	I	Power supply (1) for driver
9	PGND1	-	Ground connection (1) for driver
10	NC	-	N.C.
11	D1-	O	Motor driver (1) reverse-action output
12	D1+	O	Motor driver (1) forward-action output
13	D2-	O	Motor driver (2) reverse-action output
14	D2+	O	Motor driver (2) forward-action output
15	D3-	O	Motor driver (3) reverse-action output
16	D3+	O	Motor driver (3) forward-action output

Pin No.	Mark	I/O	Function
17	D4-	O	Motor driver (4) reverse-action output
18	D4+	O	Motor driver (4) forward-action output
19	NC	-	N.C.
20	PGND2	-	Ground connection (2) for driver
21	PVCC2	I	Power supply (2) for driver
22	NC	-	N.C.
23	VCC	I	Power supply terminal
24	VREF	I	Reference voltage input
25	IN4	I	Motor driver (4) input
26	IN3	I	Motor driver (3) input
27	RSTIN	I	Reset terminal
28	NC	-	N.C.

14.4. IC600 (M38B79MFA158) Microprocessor

Pin No.	Mark	I/O	Function
1	DECK2	I	Tape mecha condition input (Half2/ Rec1_F/Mode /Rec1_R)
2	KEY3	I	Key 3 input
3	KEY2	I	Key 2 input
4	KEY1	I	Key 1 input
5	V_JOG_AD	I	Volume jog A-D detection input
6	J_JOG_AD	I	EQ Joy jog A-D detection input
7	CHG_AD1	I	(Open Clamp) Chngr sw A-D detection input 1
8	CHG_AD2	I	(Position/ bottom) Chngr sw A-D detection input 2
9	/CDRST	O	CD reset output
10	STATUS	I	CD signal processor status input (INV)
11	SPE	I	Speana input
12	ST/DO / SQCK	I/O	Tuner if data/stereo input and CD subcode clock output
13	SD	I/O	Tuner signal detect input

Pin No.	Mark	I/O	Function
14	SUBQ	I	CD subcode data input (INV)
15	RDS_CL	I	RDS clock input
16	RDS_DA	I	RDS data input
17	CNVSS	-	Flash mode terminal (connect to ground)
18	/RESET	-	RESET input
19	XCOUT	-	32.768 kHz sub clock
20	XCIN	-	32.768 kHz sub clock
21	VSS	-	Ground (0V)
22	XIN	-	4.19 MHz main clock
23	XOUT	-	4.19 MHz main clock
24	VCC	-	Power supply (+5V)
25	MBP1	O	MPU beat proof output 1
26	MBP2	O	MPU beat proof output 2
27	MCLK/ PLLCK	O	CD command clock output/ tuner PLL clock output
28	MDATA/ PLLDA	O	CD command data output/ tuner PLL data output
29	RMT	I	Remote control input
30	BLKCK	I	CD block clock input (INV)
31	MLD/ PLLCE	O	CD command load output/ tuner PLL chip enable
32	SYNC	I	AC failure detect input
33	DCDET 1	I	DC detect input 1
34	DCDET 2	I	DC detect input 2
35	CHG_CCW	O	Changer motor CCW output
36	CHG_CW	O	Changer motor CW output
37	CHG_HALF	O	Changer half drive output
38	CHG_PLGR	O	Changer plunger output
39	CHG_SW2	I/O	CD changer SW2 input
40	CHG_SW1	I/O	CD changer SW1 input
41	SP_A	O	Speana control output A

Pin No.	Mark	I/O	Function
42	SP_B	O	Speana control output B
43	SP_C	O	Speana control output C
44	SWFK_LED		Super woofer LED
45-63	SEG1-SEG19	O	Segment drive output (Anode drive output)
64-72	SEG20-28 SEG 9-1	O	Segment drive output (Anode drive output) For regional setting/ function selection use
73-75	SEG29-31	O	Segment drive output (Anode drive output)
76	SEG32	O	Segment drive output
77-88	GRD12-1	O	Digit drive output (Grid drive output)
89	VEE	-	Power supply (-30V)
90	REG_IN / EE_CS	I/O	Region and function setting input and eeprom chip select output
91	ECONO	O	Main transormer control output for economy mode
92	RESTSW	I	CD limit SW input for the most inner point (Active Low)
93	SER4	O	EEPROM_CLK / EXP2_CLK/MK_CLK
94	SER3	O	ASP latch
95	SER2	O	ASP_CLK/EXP1_CLK/ MK_DAT
96	SER1	I/O	EEPROM_DAT / ASP_DAT / EXP1_DAT / EXP2 DAT
97	AVSS	-	Analog ground (0V)
98	VREF	-	Reference for A-D
99	TPS	I	Tape mecha TPS Input/ chrome 1 / chrome 2
100	DECK1	I	Tape mecha condition input (Half1/ Mode/Photo1 /Photo 2)

15. Block Diagram

16. Schematic Diagram

(All schematic diagrams may be modified at any time with the development of the new technology)

Note:

S701

: Switch Reset

S900

: Switch CD Manager

S901

: Switch CD 1

S902

: Switch CD 2

S903

: Switch CD 3

S904

: Switch CD 4

S905

: Switch CD 5

S906

: Switch Rec/Stop Select

S907

: Switch Reverse Mode Select

S908

: Switch Tape Edit Select

S909

: Switch Tune Down

S910

: Switch FM mode/BP

S911

: Switch Memory

S912

: Switch Tune Mode
S913
: Switch Tune Up
S920
: Switch CD Eject
S940
: Switch AUX
S941
: Switch Tuner
S942
: Switch Tape
S943
: Switch CD
S944
: Switch 3D AI EQ
S945
: Switch Super Sound EQ
S950
: Switch Deck 2 Open
S951
: Switch S.Woofer
S951
: Switch Mode
S952
: Switch EQ Down
S952
: Switch Half
S953
: Switch Cr02
S953
: Switch EQ Right
S954

: Switch EQ Left
S955
: Switch EQ Up
S956
: Switch Power
S958
: Switch Play/Rec Timer
S959
: Switch Clock/Timer
S960
: Switch RDS
S961
: Switch Display/Demo
S962
: Switch Deck 1
S971
: Switch Mode
S972
: Switch Half
S973
: Switch Cr02
S974
: Switch Recinh_r
S975
: Switch Recinh_f
SW1
: Tray Position switch
SW2
: Tray Position switch
SW3
: Tray Open switch
SW4

: CD Offset Detect switch

SW5

: Switch Spindle Bottom Position Detect

SW600

: Switch Joy Jog

VR900

: Control Volume

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

No : << >> : Rec < > : FM
mark Playback
(()) : CD () : AM [] : AUX

- Importance safety notice :

Components identified by  mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution !

IC, LSI and VLSI are sensitive to static electricity.

Secondary trouble can be prevented by taking care during repair.

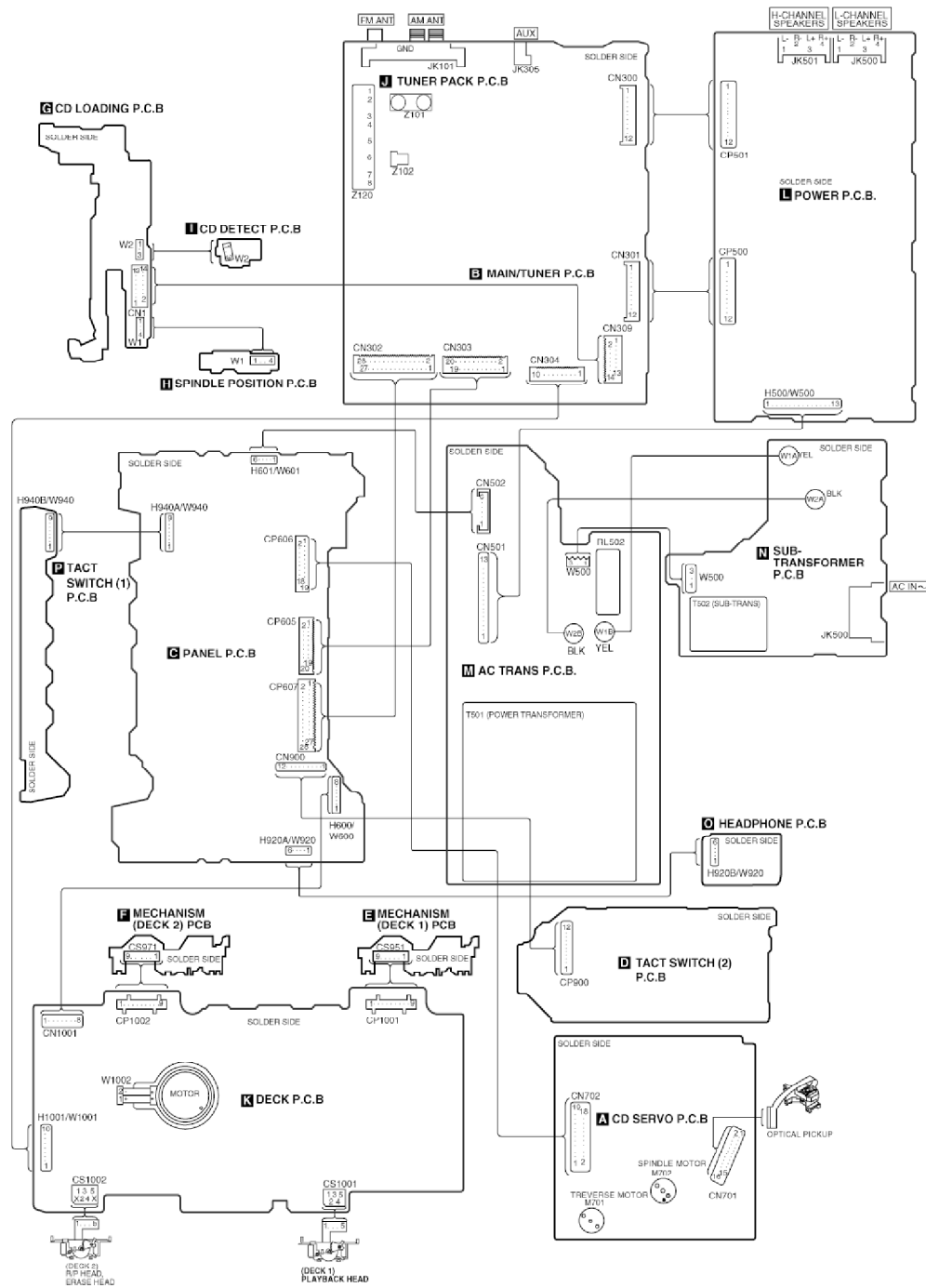
- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.

“CAUTION: REPLACE FUSIBLE RESISTOR WITH THE SAME TYPE RSFMB40KT-L FUSIBLE RESISTOR”“ATTENTION: REMPLACER LA RESISTANCE FUSIBLE PAR UNE RESISTENCE FUSIBLE DE MEME TYPE RSFMB40KT-L.

17. Printed Circuit Board

Note: Circuit board diagrams may be modified at any time with the development of new technology.

18. Wiring Connection Diagram



19. Troubleshooting Guide

- Important safety notice:

Components identified by  mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardent (resistors), high-quality sound (capacitors), low noise (resistors), etc are used.

When replacing any of these components, be sure to use only manufacturer's specified parts shown in the parts list.

- The parenthesized indications in the Remarks columns specify the areas or colour. (Refer to the cover page for area or colour)

Parts without these indications can be used for all areas.

- Warning: This product uses a laser diode. Refer to caution statements "Precaution of Laser Diode".

ACTUNG:

- Die Lasereinheit nicht zerlegen.

- Die Lasereinheit darf nur gegen eine vom Hersteller spezifizierte Einheit ausgetauscht werden.

- Capacitor values are in microfarads (μ F) unless specified otherwise, P= Pico-farads (pF), F= Farads.

- Resistance values are in ohms, unless specified otherwise, 1K= 1,000 (OHM).

- The marking (RTL) indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.

- [M] Indicates in the Remarks columns indicates parts supplied by MESA.

- The "(SF)" mark denotes the standard part.

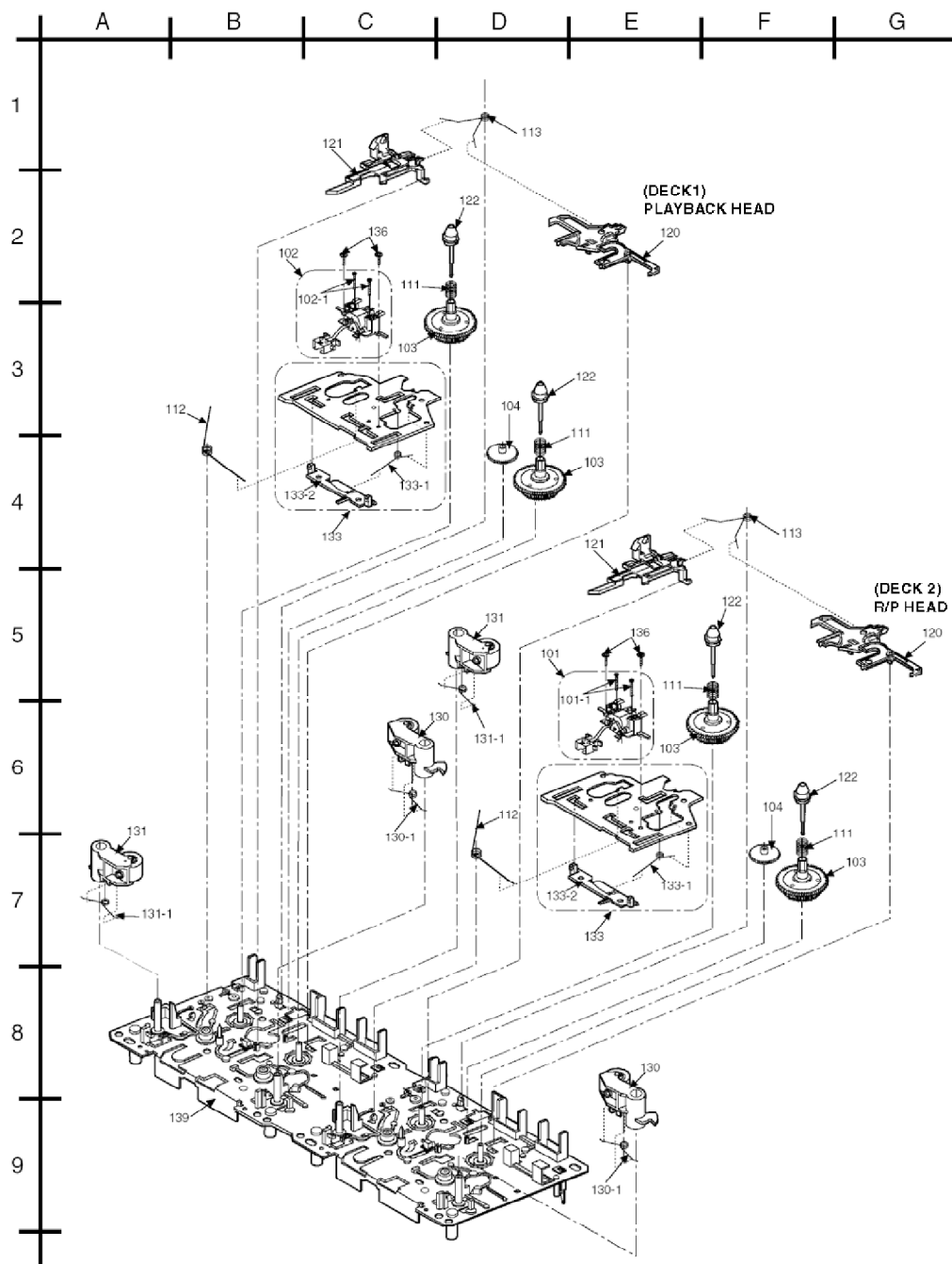
- Remote Control Unit: Supply period for three years from terminal of production.

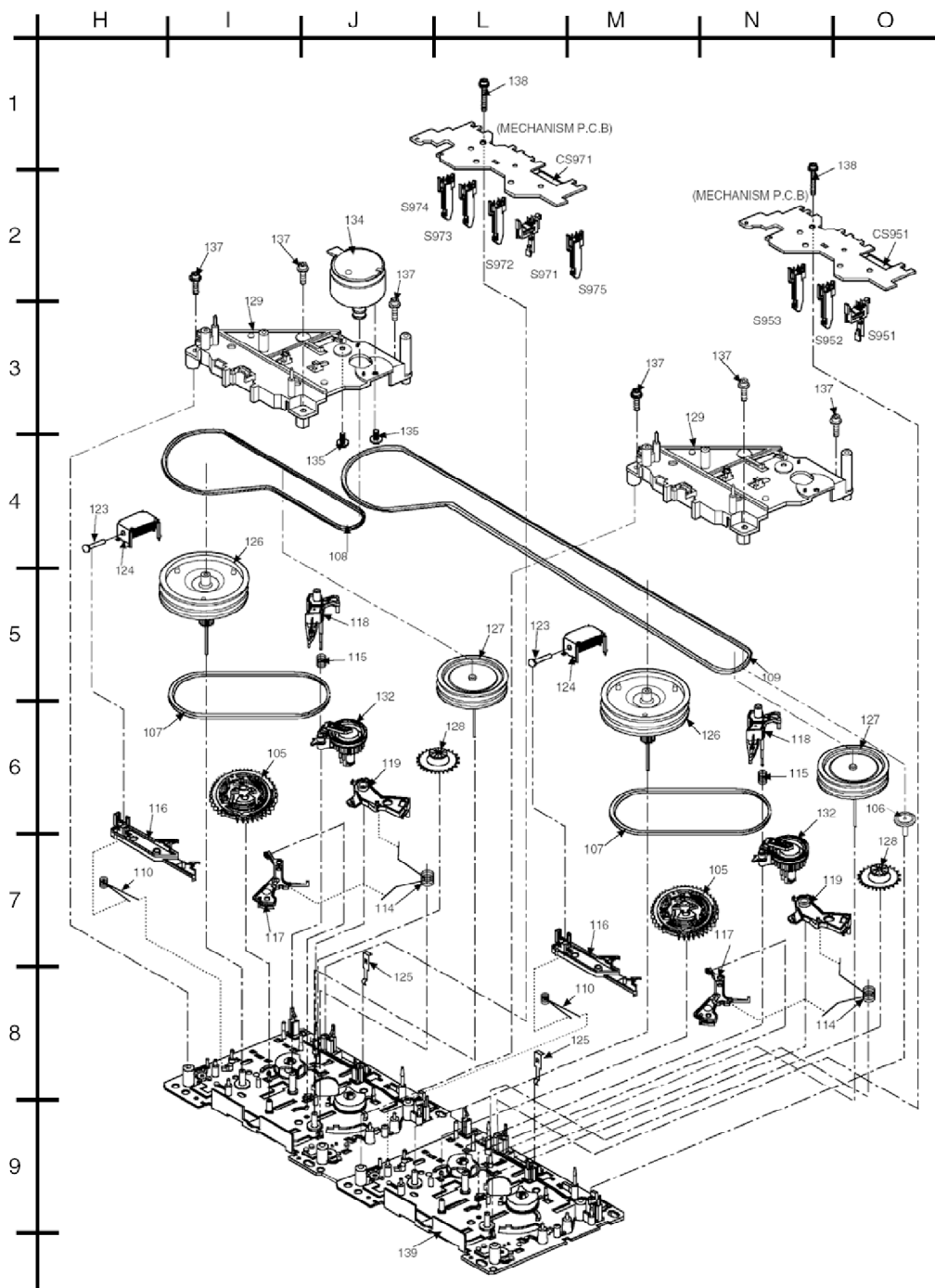
- Reference for O/I book languages are as follows:

Ar :	Arabic	Du :	Dutch	It :	Italian	Sp :	Spanish
Cf :	Canadian French	En :	English	Ko :	Korean	Sw :	Swedish
Cz :	Czech	Fr :	French	Po :	Polish	Co :	Traditional Chinese
Da :	Danish	Ge :	German	Ru :	Russian	Cn :	Simplified Chinese

20.1. Deck Mechanism (RAA3408)

20.1.1. Deck Mechanism Parts Location



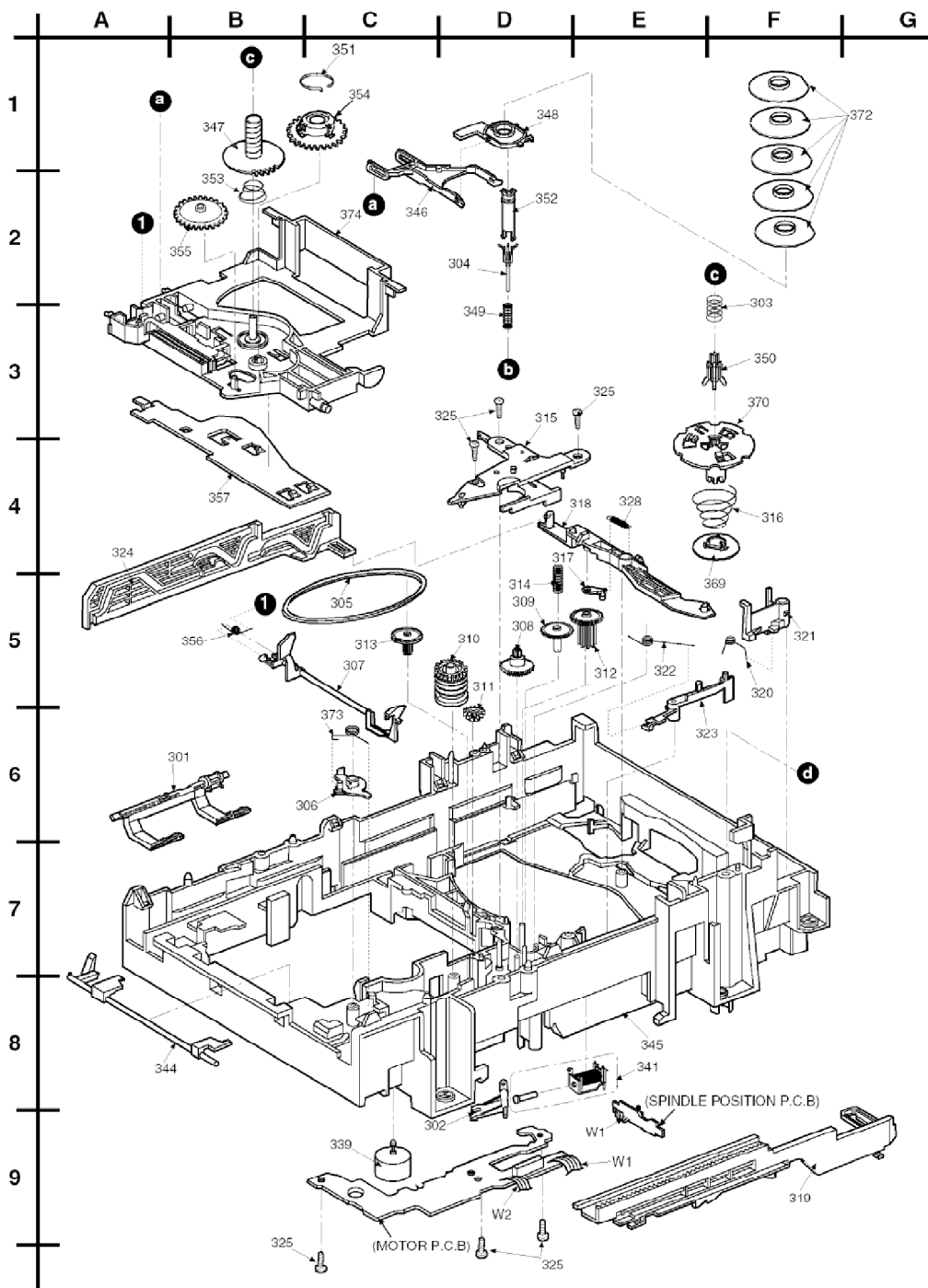


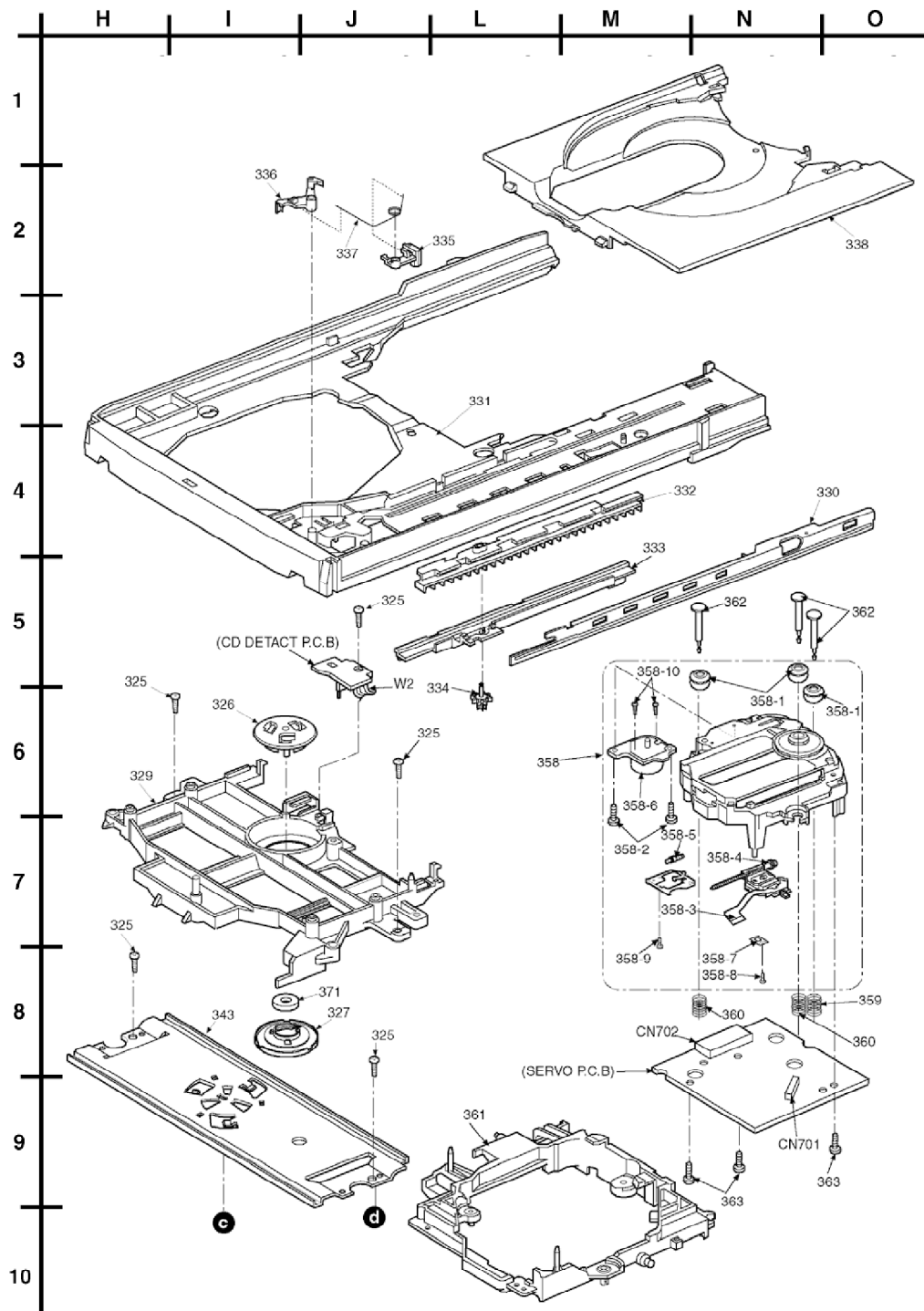
20.1.2. Deck Mechanism Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CASSETTE DECK	
101	RED0050	R/P HEAD BLOCK UNIT	[M]
101-1	RHE5152ZB	SCREW	[M]
102	RED0051	P/B HEAD BLOCK UNIT	[M]
102-1	RHE5152ZB	SCREW	[M]
103	RDG0300	REEL BASE GEAR	[M]
104	RDG0301	WINDING RELAY GEAR	[M]
105	RDK0026	MAIN GEAR	[M]
106	RDR0029	RELAY PULLEY	[M]
107	RDV0033-4	WINDING BELT	[M]
108	RDV0034-1	CAPSTAN BELT 'A'	[M]
109	RDV0057	MAIN BELT B	[M]
110	RMB0312	TRIGGER LEVER SPRING	[M]
111	RMB0400	REEL SPRING	[M]
112	RMB0403	HEAB PANEL SPRING	[M]
113	RMB0404	BRAKE ROD SPRING	[M]
114	RMB0406	FR LEVER SP	[M]
115	RMB0408	THRUST SPRING	[M]
116	RML0370	TRIGGER LEVER	[M]
117	RML0371	FR LEVER	[M]
118	RML0372	WINDING LEVER	[M]
119	RML0374	EJECT LEVER	[M]
120	RMM0131	BRAKE ROD	[M]
121	RMM0133-1	EJECT ROD	[M]
122	RMQ0519	REEL HUB	[M]
123	RMS0398-1	MOVING CORE	[M]
124	RSJ0003	PLUNGER	[M]
125	RMC0061	PACK SPRING	[M]
126	RXF0061	FLYWHEEL 'F' ASS'Y	[M]
127	RXF0062	FLYWHEEL 'R' ASS'Y	[M]
128	RXG0040	FF RELAY GEAR ASS'Y	[M]
129	RMK0283A-J	SUB CHASSIS	[M]
130	RXL0124	PINCH ROLLER 'F' ASS	[M]
130-1	RMB0401	PINCH ARM SPRING 'F'	[M]
131	RXL0125	PINCH ROLLER 'R' ASS	[M]
131-1	RMB0402	PINCH ARM SPRING 'R'	[M]
132	RXL0126	WINDING ARM ASS'Y	[M]
133	RXQ0412	HEAD PANEL ASS'Y	[M]
133-1	RMB0405	FR ROD SPRING	[M]
133-2	RMM0132	FR ROD	[M]
134	REM0088	CAP MOTOR ASS'Y	[M]
135	RHD26022	MOTOR SCREW	[M]
136	XTW2+5L	HEAD BLOCK UNIT SCRE	[M]
137	XTW26+10S	SUB-CHASSIS SCREW	[M]
138	XYC2+JF17	PCB EARTH SCREW	[M]
139	RFKJXED70-K	CHASSIS ASS'Y	[M]

20.2. CD Loading Mechanism (RD-DAC026-S)

20.2.1. CD Loading Mechanism Parts Location





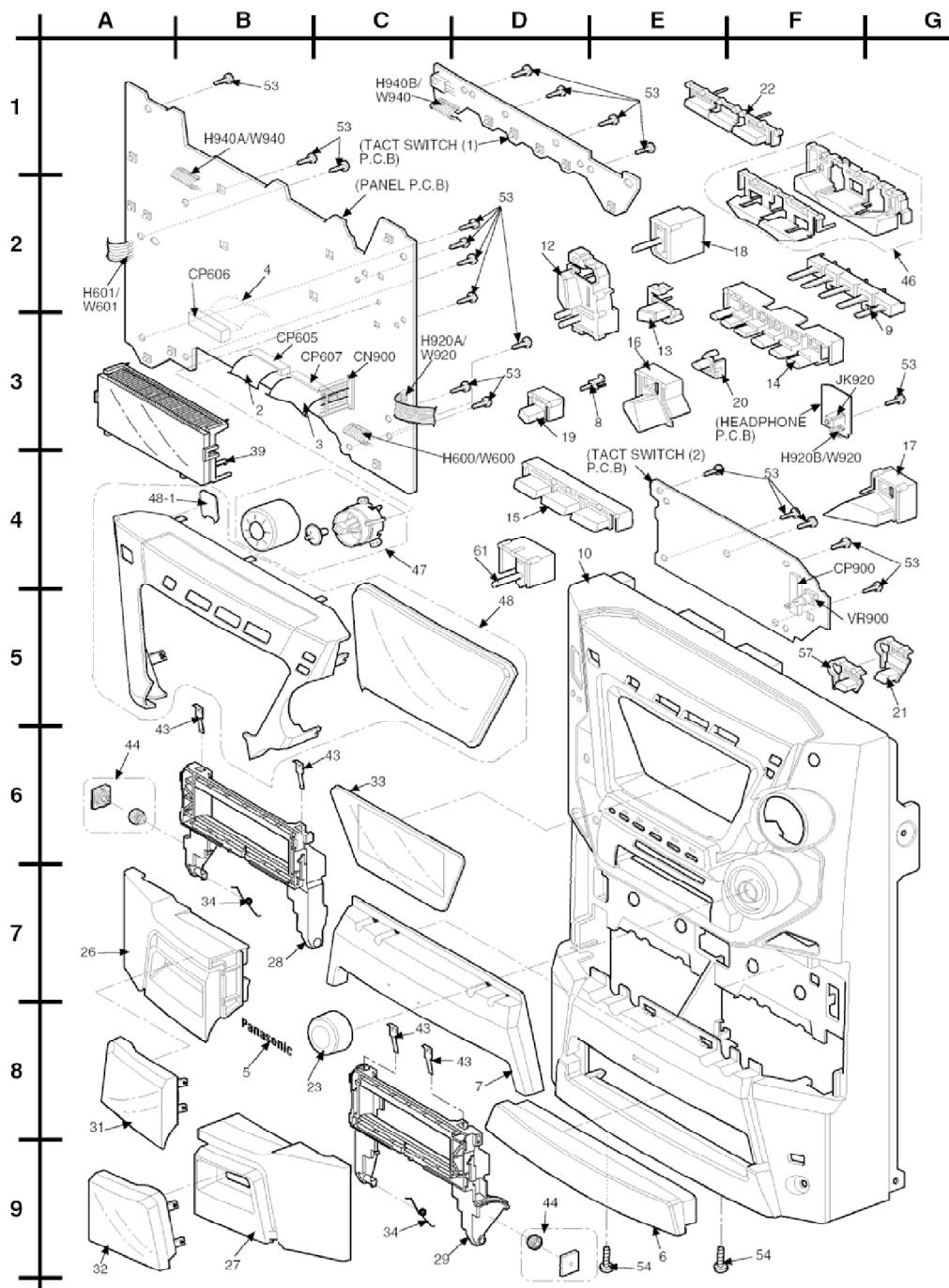
20.2.2. CD Loading Mechanism Parts List

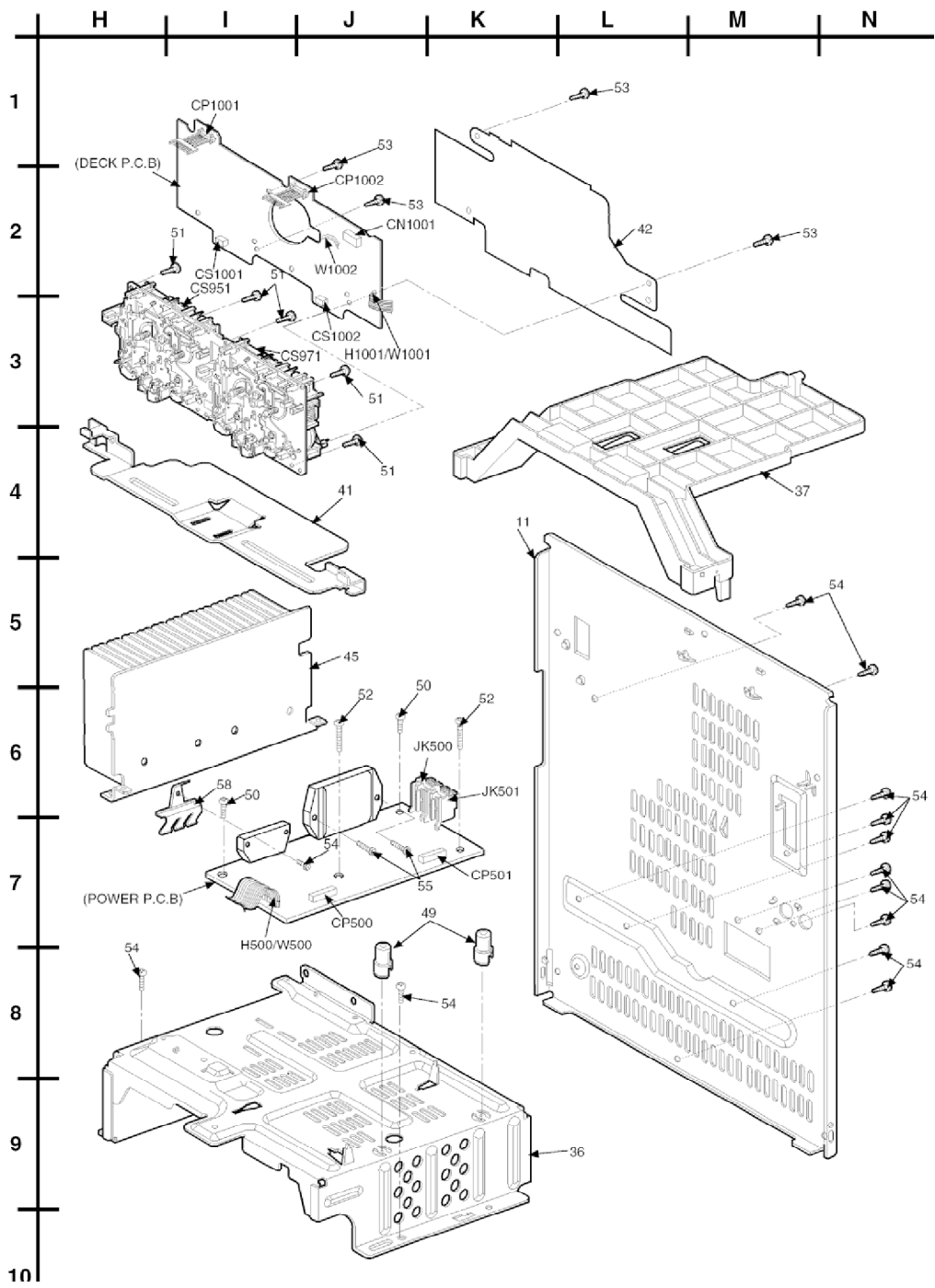
Ref. No.	Part No.	Part Name & Description	Remarks
		TRAVERSE DECK	
301	RML0517	TIMING LEVER	[M]
302	RML0516	PLUNGER LEVER	[M]
303	RMB0551	UPPER SPINDLE SPRING	[M]
304	RMQ0744	LOWER HOOK	[M]
305	RDV0056	BELT	[M]
306	RML0525	FRONT LOCK LEVER	[M]
307	RML0526	DISC LEVER	[M]
308	RDG0424	DRIVE GEAR	[M]
309	RDG0425	CHANGE GEAR	[M]
310	RDG0427	TRAVERSE CAM GEAR	[M]
311	RDG0428	TRAVERSE RELAY GEAR	[M]
312	RDG0426	UP/DOWN GEAR	[M]
313	RDG0429	PULLEY GEAR	[M]
314	RMB0549-1	CHANGE GEAR SPRING	[M]
315	RMQ0748	PITCH PLATE	[M]
316	RMB0553	PUSH SPRING	[M]
317	RML0530	ASSIST LEVER	[M]
318	RML0518	CONNECTION LEVER	[M]
319	RMM0201	SLIDE PLATE 1	[M]
320	RME0258	REAR LOCK SPRING	[M]
321	RML0521	REAR LOCK	[M]
322	RME0257	TRAY LOCK LEVER SPRI	[M]
323	RML0520	TRAY LOCK	[M]
324	RMM0202	SLIDE PLATE 2	[M]
325	XTB3+10J	SCREW	[M]
326	RMR0334	FIXED PLATE	[M]
327	RMR0624-W2	CLAMPER	[M]
328	RMB0561	ASSIST LEVER SPRING	[M]
329	RMR1121-K	MECHA COVER	[M]
330	RMA1110-2	TRAY ANGLE	[M]
331	RMR1122-H1	TRAY BASE	[M]
332	RMM0204	CARRIER	[M]
333	RMM0203	DRIVE RACK	[M]
334	RDG0432	SPEED UP GEAR	[M]
335	RML0524	SLIDE LOCK	[M]
336	RML0523	CARRIER LOCK	[M]
337	RME0260-1	SLIDE LOCK SPRING	[M]
338	RMR1123-H	TRAY	[M]
339	RXQ0595	MOTOR SUB ASS'Y	[M]
341	RSJ0003	SOLENOID ASS'Y	[M]
343	RMA1106	UPPER PLATE	[M]
344	RML0519	8CD LEVER	[M]
345	RFKNAAK27GCS	MECHA BASE ASS'Y	[M]
346	RML0522	TURNING STOPPER	[M]
347	RMQ0745	LOWER SPINDLE	[M]
348	RMQ0746	UP/DOWN BASE	[M]
349	RMB0550	LOWER SPINDLE SPRING	[M]
350	RMQ0747	UPPER HOOK	[M]
351	RME0263	CLICK SPRING	[M]
352	RMQ0743	SPINDLE SHAFT	[M]
353	RMB0552	CUSHION SPRING	[M]
354	RDG0430	RELAY GEAR 'A'	[M]

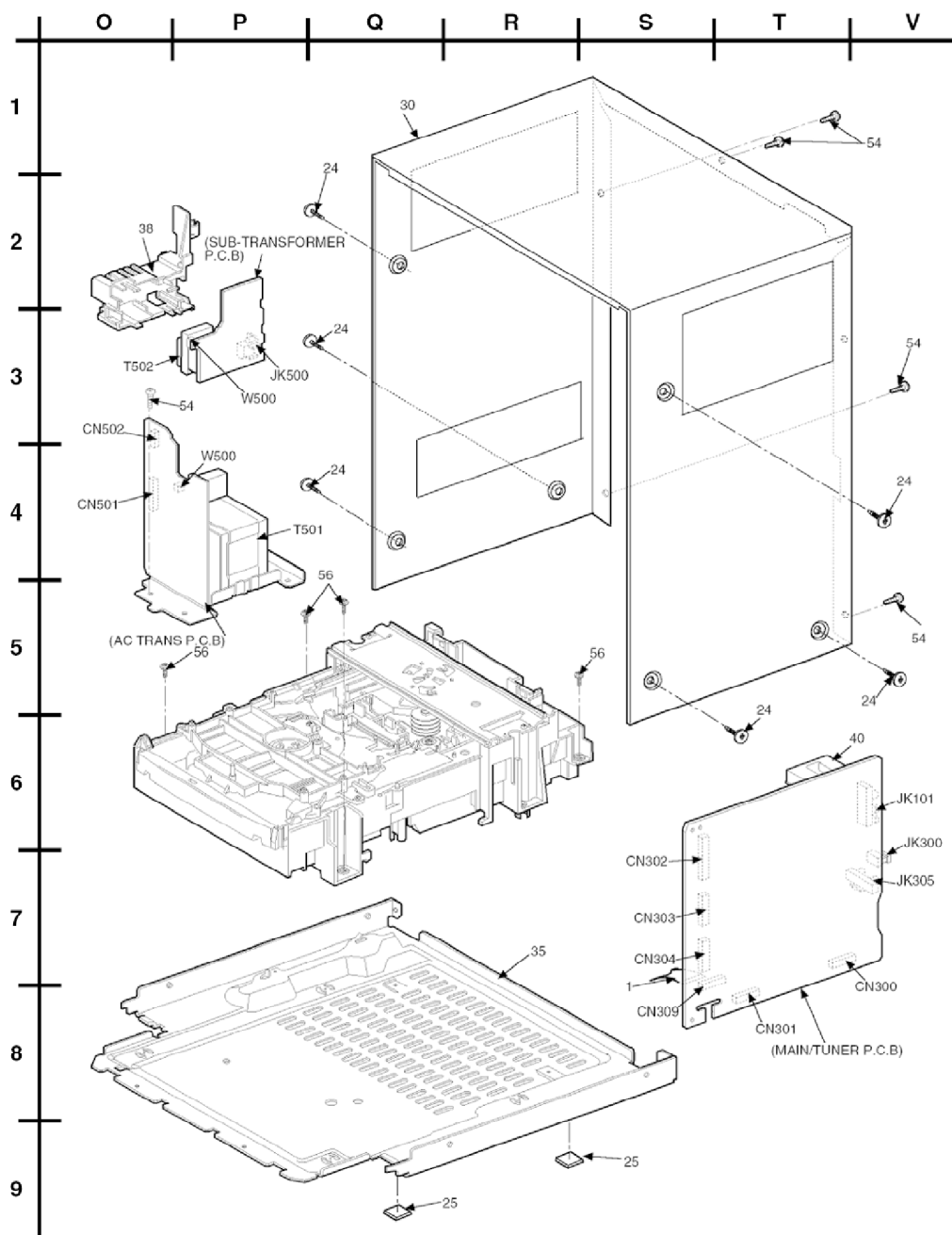
Ref. No.	Part No.	Part Name & Description	Remarks
355	RDG0431	RELAY GEAR 'B'	[M]
356	RME0262	DISK LEVER SP.	[M]
357	RMA1105	SUPPORT PLATE	[M]
358	RAE0152Z-3	TRAVERSE	[M]
358-1	SHGD113-1	FLOATING CUSHION	[M]
358-2	SNSD38	TRAVERSE MOTOR ASS'Y	[M]
358-3	RAF0150A-4S	50A OPTICAL PICKUP	[M]
358-4	RDG0247	DRIVE GEAR	[M]
358-5	RDG0248	RELAY GEAR	[M]
358-6	RXQ0339	TRAVERSE MOTOR ASS'Y	[M]
358-7	RXQ0304-1	NUT PLATE ASS'Y	[M]
358-8	XQN17+CG5	NUT PLATE ASSY SCREW	[M]
358-9	XQS2+A3FZ	SPINDLE MOTOR SCREW	[M]
358-10	XQS17+A35FZ	TRAVERSE MOTOR SCREW	[M]
359	RME0142	FLOATING SPRING A	[M]
360	RME0109	FLOATING SPRING B	[M]
361	RMR1124-K1	TRAVERSE CHASSIS	[M]
362	RMS0632	TRAVERSE PIN	[M]
363	XTN2+6G	SCREW	[M]
369	RMX0141	PUSH SPACER	[M]
370	RMQ0749	UPPER SPINDLE	[M]
371	RHM0001	MAGNET	[M]
372	RMX0140	DISC SPACER	[M]
373	RME0261	FRONT LOCK SPRING	[M]
374	RMQ0742	SPINDLE BASE	[M]

20.3. Cabinet

20.3.1. Cabinet Parts Location







20.3.2. Cabinet Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
<u>1</u>	REEX0129	14P FFC	[M]
<u>2</u>	REEX0101	28P FFC	[M]
<u>3</u>	REEX0127	20P FFC	[M]
<u>4</u>	REEX0130	19P FFC	[M]
<u>5</u>	RGB0113-N	PANA BADGE (HOOK TYP	[M]
<u>6</u>	RGKX0070-S	CD LID	[M]
<u>7</u>	RGKX0071A-SB	CD ORNAMENT	
<u>8</u>	RGLX0028-Q	POWER LIGHTING CHIP	[M]
<u>9</u>	RGLX0030-Q	DISC LIGHT CHIP	[M]
<u>10</u>	RGPX0038L-SL	FRONT PANEL	
<u>11</u>	RGRX0017D-AB	REAR PANEL	E
11	RGRX0017D-CB	REAR PANEL	EG
11	RGRX0017D-DB	REAR PANEL	EB
<u>12</u>	RGUX0368A-SB	POWER BUTTON	
<u>13</u>	RGUX0369Z-S	CD EJECT BUTTON	
<u>14</u>	RGUX0371-SB	DISC BUTTON	
<u>15</u>	RGUX0372A-SB	DECK BUTTON	
<u>16</u>	RGUX0378Z-S	DECK EJECT BUTTON L	
<u>17</u>	RGUX0379Z-S	DECK EJECT BUTTON R	
<u>18</u>	RGUX0397Z-S	DISPLAY BUTTON	
<u>19</u>	RGUX0400-SB	AUXILIARY BUTTON	
<u>20</u>	RGUX0410-Q	S. WOOFER BUTTON	[M]
<u>21</u>	RGUX0375-Q1	AMAZING BUTTON	[M]
<u>22</u>	RGUX0367-QB	FUNCTION BUTTON	
<u>23</u>	RGWX0055-S	VOLUME KNOB	[M]
<u>24</u>	RHD30002-H	SCREW	[M]
<u>25</u>	RKA0059-K	LEG RUBBER	[M]
<u>26</u>	RKFX0083-SB	CASS LID (L)	
<u>27</u>	RKFX0084-SB	CASS LID (R)	
<u>28</u>	RKFX0085-KB	CASS. HOLDER (L)	
<u>29</u>	RKFX0086-KB	CASS. HOLDER (R)	
<u>30</u>	RKMX0057-S	TOP CABINET (BENT)	[M]
<u>31</u>	RKWX0148A-HB	CASS. WIN (L)	
<u>32</u>	RKWX0149A-HB	CASS. WIN (R)	
<u>33</u>	RKWX0156A	FL FILTER	[M]
<u>34</u>	RMBX0016-1	CASS. OPEN SPRING	[M]
<u>35</u>	RMKX0053	BOTTOM CHASSIS	
<u>36</u>	RMKX0044-B	INNER CHASSIS	
<u>37</u>	RMKX0045-B	T-BRACKET	
<u>38</u>	RMNX0039-HB	SUB-TRANS SUPPORT	
<u>39</u>	RMNX0038	FL HOLDER	[M]
<u>40</u>	RSCX0020	SHILED PLATE	[M]
<u>41</u>	RSCX0052	SHIELD PLATE HEAD	[M]
<u>42</u>	RSCX0058	DECK SHIELD PLATE	[M]
<u>43</u>	RUS757ZAA	CASSETTE HALF SPRING	[M]
<u>44</u>	RXGX0001	DAMPER GEAR	[M]
<u>45</u>	RXXX0021	HEAT SINK UNIT	[M]
<u>46</u>	RYQX0040A-SL	CONTROL BUTTON UNIT	
<u>47</u>	RYQX0037-S2	JOY JOG UNIT	[M]
<u>48</u>	RYQX0045A-S	FL ORNAMENT UNIT	[M]
<u>48-1</u>	RKWX0155-H	REMOTE SENSOR WINDOW	[M]
<u>49</u>	SHE187-5	PCB SUPPORT (NO PIN)	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
50	XTB3+10J	SCREW	[M]
51	XTB3+10JFZ	SCREW	[M]
52	XTB3+20J	SCREW	[M]
53	XTBS26+10J	SCREW	[M]
54	XTBS3+8JFZ1	SCREW	[M]
55	XTW3+15T	SCREW	[M]
56	XTW3+8T	SCREW	[M]
57	RGUX0376Z-S	3D AI BUTTON	
58	RMCX0020	REGULATOR IC CLIP	[M]
61	RGUX0380Z-S	KARAOKE BUTTON	

20.4. Component Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PRINTED CIRCUITS BOARDS	
	REPX0192D	CD SERVO P.C.B.	[M](RTL)
	REPX0232B	MAIN/TUNER P.C.B.	[M](RTL)
	REPX0254A	PANEL P.C.B.	[M](RTL)
	REPX0254A	HEADPHONE P.C.B.	[M](RTL)
	REPX0254A	TACT SWITCH (1) P.C.B.	[M](RTL)
	REPX0254A	TACT SWITCH (2) P.C.B.	[M](RTL)
	REPX0108	MECHANISM (DECK 1) P.C.B.	[M](RTL)
	REPX0108A	MECHANISM (DECK 2) P.C.B.	[M](RTL)
	REP2578A-N	CD LOADING P.C.B.	[M](RTL)
	REP2578A-N	CD DETACT P.C.B.	[M](RTL)
	REP2578A-N	SPINDLE POSITION P.C.B.	[M](RTL)
	REPX0198B	DECK P.C.B.	[M](RTL)
	REPX0233C	POWER P.C.B.	[M](RTL)
	REPX0234D	AC TRANSFORMER P.C.B.	[M](RTL)(E/EG)
	REPX0234C	AC TRANSFORMER P.C.B.	[M](RTL)(EB)
	REPX0234D	SUB TRANSFORMER P.C.B.	[M](RTL)(E/EG)
	REPX0234C	SUB TRANSFORMER P.C.B.	[M](RTL)(EB)
		INTEGRATED CIRCUITS	
IC1	TA7291P	IC DRIVE	[M]
IC101	LA1833NMNTLM	IC IF & MPX	[M]
IC102	LC72131MDTRM	IC PLL	[M]
IC301	BH3874AKS2	IC ASP	[M]
IC302	M5218AP	IC BUFFER AMP	[M]
IC304	BA4558FE2	IC DUAL OP-AMP	[M]
IC305	TC4052BFNELM	IC ANALOG SWICH	[M]
IC500	RSN309W44B	IC HIC	[M] 
IC501	STK470-090	IC VOLTAGE REGULATOR	[M] 
IC600	M38B79MFA158	IC MICRO-PROCESSOR	[M]
IC601	BU2090AF-E2	IC I/O EXPANDER	[M]
IC602	BU2090AF-E2	IC I/O EXPANDER	[M]
IC701	AN8885SBE1	RFAMP	[M]
IC702	MN662790RSC	LSI	[M]
IC703	AN8739SBE2	IC 4CH DRIVER	[M]
IC951	0N2180RLC1	IC PHOTO INTERRUPTER	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
IC971	0N2180RLC1	IC PHOTO INTERRUPTER	[M]
IC990	LC72721NMTLM	IC RDS	[M]
IC1001	AN7348STA-E1	IC TAPE PB	[M]
IC1002	BU2090AF-E2	IC I/O EXPANDER	[M]
IC1003	BA4558FE2	IC BUFFER AMP	[M]
IC1004	BA7755A	IC R/P SELECT	[M]
		TRANSISTORS	
Q1	RVTDTTC143EST	TRANSISTOR	[M]
Q101	2SC2058SPTA	TRANSISTOR	[M]
Q102	2SC2058SPTA	TRANSISTOR	[M]
Q106	KRA102MTA	TRANSISTOR	[M] 
Q110	2SC3311ARTA	TRANSISTOR	[M]
Q200	KTD1304TA	TRANSISTOR	[M]
Q250	KTD1304TA	TRANSISTOR	[M]
Q300	KTD1304TA	TRANSISTOR	[M]
Q306	KRA102STA	TRANSISTOR	[M]
Q307	KRC111STA	TRANSISTOR	[M]
Q308	2SB621ARSTA	TRANSISTOR	[M] 
Q309	KTA1504GRTA	TRANSISTOR	[M]
Q310	KTC3875GRTA	TRANSISTOR	[M]
Q350	2SB621ARSTA	TRANSISTOR	[M] 
Q351	KRC102STA	TRANSISTOR	[M]
Q400	KTD1304TA	TRANSISTOR	[M]
Q450	KTD1304TA	TRANSISTOR	[M]
Q501	KTC3199GRTA	TRANSISTOR	[M]
Q502	2SB1238QRTV2	TRANSISTOR	[M] 
Q503	KTC3199GRTA	TRANSISTOR	[M]
Q504	2SD1859QRTV2	TRANSISTOR	[M] 
Q505	2SD2144STA	TRANSISTOR	[M] 
Q506	KTC3199GRTA	TRANSISTOR	[M]
Q507	KTC3199GRTA	TRANSISTOR	[M]
Q570	2SD2137PQTA	TRANSISTOR	[M] 
Q571	KRC102MTA	TRANSISTOR	[M]
Q572	KTC3199GRTA	TRANSISTOR	[M] 
Q600	KTA12710YTA	TRANSISTOR	[M] 
Q601	KRC103MTA	TRANSISTOR	[M] 
Q602	KRC102MTA	TRANSISTOR	[M] 
Q603	2SA933SSTA	TRANSISTOR	[M] 
Q604	KRC101MTA	TRANSISTOR	[M]
Q605	KRC101MTA	TRANSISTOR	[M]
Q606	KRC101MTA	TRANSISTOR	[M]
Q607	KTC3199GRTA	TRANSISTOR	[M]
Q608	KTC3199GRTA	TRANSISTOR	[M]
Q699	KTC3199GRTA	TRANSISTOR	[M]
Q701	2SA1037AKSTX	TRANSISTOR	[M]
Q1001	KTC3199GRTA	TRANSISTOR	[M]
Q1003	2SD2144STA	TRANSISTOR	[M]
Q1004	2SD2144STA	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
Q1005	2SD2144STA	TRANSISTOR	[M]
Q1006	KRC114STA	TRANSISTOR	[M]
Q1007	KTC3875GRТА	TRANSISTOR	[M]
Q1008	KTC3875GRТА	TRANSISTOR	[M]
Q1009	KTC3875GRТА	TRANSISTOR	[M]
Q1010	KTC3875GRТА	TRANSISTOR	[M]
Q1011	KTC3875GRТА	TRANSISTOR	[M]
Q1012	KTD1304ТА	TRANSISTOR	[M]
Q1013	KTD1304ТА	TRANSISTOR	[M]
Q1014	2SC2412KT96R	TRANSISTOR	[M]
Q1015	2SC2412KT96R	TRANSISTOR	[M]
Q1016	KRA102STA	TRANSISTOR	[M]
Q1017	KTD1146YТА	TRANSISTOR	[M]
Q1018	KTA12710YТА	TRANSISTOR	[M]
Q1019	KTA12710YТА	TRANSISTOR	[M]
Q1020	KTD1304ТА	TRANSISTOR	[M]
Q1021	KTD1304ТА	TRANSISTOR	[M]
Q1022	KRA102STA	TRANSISTOR	[M]
Q1023	KRA102STA	TRANSISTOR	[M]
Q1024	2SD2144STA	TRANSISTOR	[M]
		DIODES	
D1	GP1S94	DIODE	[M]
D2	MTZJ4R7BТА	DIODE	[M]
D101	UDZSTE175R1B	DIODE	[M]
D307	DAP202KT146	DIODE	[M]
D308	DAP202KT146	DIODE	[M]
D309	1SS355TE17	DIODE	[M]
D310	DAP202KT146	DIODE	[M]
D312	RL1N4003S-P	DIODE	[M]
D313	RL1N4003S-P	DIODE	[M]
D314	RL1N4003S-P	DIODE	[M]
D315	MA8300MTX	DIODE	
D316	RL1N4003S-P	DIODE	[M]
D318	UDZSTE177R5B	DIODE	[M]
D319	MA728TX	DIODE	[M]
D320	MA728TX	DIODE	[M]
D500	RL1N4003S-P	DIODE	[M]
D501	RL1N4003S-P	DIODE	[M]
D503	MTZJ24DTA	DIODE	[M]
D504	MTZJ24DTA	DIODE	[M]
D505	RVD1SS133ТА	DIODE	[M]
D506	RVD1SS133ТА	DIODE	[M]
D507	MTZJ24DTA	DIODE	[M]
D508	MTZJ24DTA	DIODE	[M]
D509	RK306LFU1	DIODE	[M]
D510	RK306LFU1	DIODE	[M]
D511	1N5402BM21	DIODE	[M] 
D512	1N5402BM21	DIODE	[M] 
D513	1N5402BM21	DIODE	[M] 
D514	1N5402BM21	DIODE	[M] 

Ref. No.	Part No.	Part Name & Description	Remarks
D515	1N5402BM21	DIODE	[M] 
D516	1N5402BM21	DIODE	[M] 
D517	1N5402BM21	DIODE	[M] 
D518	1N5402BM21	DIODE	[M] 
D519	MTZJ20BTA	DIODE	[M] 
D520	MTZJ20BTA	DIODE	[M] 
D521	MTZJ20BTA	DIODE	[M] 
D522	MTZJ20BTA	DIODE	[M] 
D570	1T3T	DIODE	[M]
D571	1T3T	DIODE	[M]
D572	1T3T	DIODE	[M]
D573	1T3T	DIODE	[M]
D574	RVD1SS133TA	DIODE	[M]
D575	1T3T	DIODE	[M]
D576	KBP152G4R5	DIODE	[M]
D577	1T3T	DIODE	[M]
D580	MTZJ6R8BTA	DIODE	[M]
D603	SLR325MCT31W	DIODE	[M]
D604	SLR325MCT31W	DIODE	[M]
D605	SLI325URCT31	DIODE	[M]
D610	MA723TA	DIODE	[M]
D611	RVD1SS133TA	DIODE	[M]
D612	RVD1SS133TA	DIODE	[M]
D613	MA4020LTA	DIODE	[M]
D614	MA2C700A0F	DIODE	[MAVD]
D615	MA2C700A0F	DIODE	[MAVD]
D616	MA2C700A0F	DIODE	[MAVD]
D617	MA2C700A0F	DIODE	[MAVD]
D618	RVD1SS133TA	DIODE	[M]
D619	RVD1SS133TA	DIODE	[M]
D620	1SS291TA	DIODE	[M]
D621	1SS291TA	DIODE	[M]
D650	RVD1SS133TA	DIODE	[M]
D651	RVD1SS133TA	DIODE	[M]
D690	RVD1SS133TA	DIODE	[M]
D692	RVD1SS133TA	DIODE	[M]
D696	RVD1SS133TA	DIODE	[M]
D697	RVD1SS133TA	DIODE	[M]
D698	RVD1SS133TA	DIODE	[M]
D699	RVD1SS133TA	DIODE	[M]
D903	SLR325MCT31W	DIODE	[M]
D904	SLR325MCT31W	DIODE	[M]
D914	SLR325MCT31W	DIODE	[M]
D915	SLR325MCT31W	DIODE	[M]
D916	SLR325MCT31W	DIODE	[M]
D917	SLR325MCT31W	DIODE	[M]
D918	SLR325MCT31W	DIODE	[M]
D946	SLR325MCT31W	DIODE	[M]
D947	SLR325MCT31W	DIODE	[M]
D948	SLR325MCT31W	DIODE	[M]
D949	SLR325DCT31	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
D951	MA165TA	DIODE	[M]
D971	MA165TA	DIODE	[M]
D990	MTZJ5R1BTA	DIODE	[M]
D999	SLR325DCT31	DIODE	[M]
D1002	1SS355TE17	DIODE	[M]
D1003	1SS355TE17	DIODE	[M]
D1004	UDZTE173R6B	DIODE	[M]
		VARIABLE RESISTORS	
VR900	EVEKE2F2524B	VR VOLUME	[M]
		SWITCHES	
S701	RSH1A043-U	SW RESET	[M]
S900	EVQ21405R	SW CD MANAGER	[M]
S901	EVQ21405R	SW CD 1	[M]
S902	EVQ21405R	SW CD 2	[M]
S903	EVQ21405R	SW CD 3	[M]
S904	EVQ21405R	SW CD 4	[M]
S905	EVQ21405R	SW CD 5	[M]
S906	EVQ21405R	SW REC/STOP	[M]
S907	EVQ21405R	SW REV MODE	[M]
S908	EVQ21405R	SW TAPE EDIT	[M]
S909	EVQ21405R	SW TUNE DOWN	[M]
S910	EVQ21405R	SW FM MODE/BP	[M]
S911	EVQ21405R	SW MEMORY	[M]
S912	EVQ21405R	SW TUNE MODE	[M]
S913	EVQ21405R	SW TUNE UP	[M]
S920	EVQ21405R	SW CD EJECT	[M]
S940	EVQ21405R	SW AUX	[M]
S941	EVQ21405R	SW TUNER	[M]
S942	EVQ21405R	SW TAPE	[M]
S943	EVQ21405R	SW CD	[M]
S944	EVQ21405R	SW 3D AI	[M]
S945	EVQ21405R	SW SUPER SOUND EQ	[M]
S950	EVQ21405R	SW DECK 2	[M]
S951	EVQ21405R	SW S. WOOFER	[M]
S951	RSH1A018-3U	SW MODE	[M]
S952	EVQ11G07K	SW EQ DOWN	[M]
S952	RSH1A019-2U	SW HALF	[M]
S953	EVQ11G07K	SW EQ RIGHT	[M]
S953	RSH1A019-2U	SW CR02	[M]
S954	EVQ11G07K	SW EQ LEFT	[M]
S955	EVQ11G07K	SW EQ UP	[M]
S956	EVQ21405R	SW POWER	[M]
S958	EVQ21405R	SW PLAY/REC TIMER	[M]
S959	EVQ21405R	SW CLOCK/TIMER	[M]
S960	EVQ21405R	SW RDS	[M]
S961	EVQ21405R	SW DISPLAY/DEMO	[M]
S962	EVQ21405R	SW DECK 1	[M]
S971	RSH1A018-3U	SW MODE	[M]
S972	RSH1A019-2U	SW HALF	[M]
S973	RSH1A019-2U	SW CR02	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
S974	RSH1A019-2U	SW RECINH_R	[M]
S975	RSH1A019-2U	SW RECINH_F	[M]
		SWITCHES	
SW1	RSH1A032-U	SW PUSH	[M]
SW2	RSH1A032-U	SW PUSH	[M]
SW3	RSH1A005-1U	SW	[M]
SW4	RSH1A91ZA-A	SW CD	[M]
SW5	RSP1A017-A	SW LOCK	[M]
SW600	ESE24SV2	SW JOY JOG	[M]
		CONNECTORS	
CN1	RJS1A9414	FF CONNECTOR	[M]
CN300	RJU057G12	12P P2 MQ CONNECTOR	[M]
CN301	RJU057G12	12P P2 MQ CONNECTOR	[M]
CN302	RJS1A9428-1	28P FFC CONNECTOR	[M]
CN303	RJS1A9420	20P FFC CONNECTOR	[M]
CN304	RJS1A5210	10P WIRE HOLDER	[M]
CN309	RJS1A9414-1	14P CONNECTOR	[M]
CN501	RJT119W13H	13P CONNECTOR	[M]
CN502	RJP6G18ZA	SOCKET	[M]
CN701	RJS2A6016	16P FFC CONNECTOR	[M]
CN702	RJS1A6719-1Q	19P FFC CONNECTOR	[M]
CN900	RJT066H12F	12P BTB CONNECTOR	[M]
CN1001	RJS8T7ZA	8P MOLEX	[M]
CP500	RJT057G12	12P P2 MQ CONNECTOR	[M]
CP501	RJT057G12	12P P2 MQ CONNECTOR	[M]
CP605	RJS1A9420	20P FFC CONNECOT	[M]
CP606	RJS1A6219-1	19P FFC CONNECTOR	[M]
CP607	RJS1A9428-1	28P FFC CONNECTOR	[M]
CP900	RJU066H12M	12P BTB CONNECTOR	[M]
CP1001	RJT071K09A	9P B/B CONNECTOR	[M]
CP1002	RJT071K09A	9P B/B CONNECTOR	[M]
CS951	RJU071H09M1	CONNECTOR	[M]
CS971	RJU071H09M1	CONNECTOR	[M]
CS1001	RJS1A6805-J	5P CONNECTOR SOCKET	[M]
CS1002	RJS1A6805-J	5P CONNECTOR SOCKET	[M]
		COILS & TRANSFORMERS	
L101	RLQBR39KTD-D	COIL	[M]
L102	RLQBR39KTD-D	COIL	[M]
L500	RLQZ271M	COIL	[M]
L550	RLQZR73MT-T	CHOKE COIL	[M]
L551	RLQZR73MT-T	CHOKE COIL	[M]
L552	RLQZR73MT-T	CHOKE COIL	[M]
L553	RLQZR73MT-T	CHOKE COIL	[M]
L603	RLQB3R3JTD-D	COIL	[M]
L605	RLQB101JTD-D	INDUCTOR	[M]
L920	ELEXT101KA04	AXIAL COIL	

Ref. No.	Part No.	Part Name & Description	Remarks
L921	RLQB101JTD-D	INDUCTOR	[M]
L922	ELEXT100KA04	AXIAL COIL	
L990	RLQB101JTD-D	INDUCTOR	[M]
L991	RLQB101JTD-D	INDUCTOR	[M]
L1001	RLQB470JTD-D	RF CHOKE COIL	[M]
L1002	7L1A62N	BIAS OSC COIL	[M]
T501	RTP2N3B013	MAIN TRANS	[M] ⚠
T502	RTP1H3E002	BACK UP TRANSFORMER	[M] ⚠
		COMPONENT COMBINATIO	
Z101	RLA2Z007-T	COIL	[M]
Z102	RLI2Z021M-T	AM IF BLOCK	[M]
Z120	ENV17290G1Y	FM TUNER PACK	[M]
Z501	ERZV10V511CS	ZENER	[M] ⚠
Z940	RCD37142TC5	REMOTE CONTROL SENSO	[M]
Z971	EXBF7L355SYV	RADA RESISTOR	[M]
Z1001	RGSD12A1445T	SENSOR	[M]
Z1002	RGSD12A1445T	SENSOR	[M]
		CERAMIC FILTERS	
CF201	RLFFETNGD01L	CERAMIC FILTER	[M]
CF202	RLFFETMGD01L	CERAMIC FILTER	[M]
		RELAY	
RL502	RSY0040M-0	PRIMARY RELAY	[M] ⚠
		OSCILLATORS	
X102	RLFDFT22DD	DISCRIMINATOR	[M]
X103	RSXC7M20S05T	CRYSTAL OSCILLATOR	[M]
X600	RSXZ4M19D01T	CERAMIC OSCILLATOR	[M]
X601	RSXD32K7S02	CRYSTAL OSCILLATOR	[M]
X701	RSXB16M9J02T	CRYSTAL OSCILLATOR	[M]
X990	RSXC4M33S02T	CRYSTAL OSCILLATOR	[M]
		DISPLAY TUBE	
FL600	RSL0310-F	FL	[M]
		FUSES	
F1	XBA2C16TB0L	PRIMAY FUSE	[M] ⚠
		FUSE HOLDERS	
FC1	EYF52BC	FUSE HOLDER	[M]
FC2	EYF52BC	FUSE HOLDER	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
		HOLDERS	
H500	RJS1A5513	13P WIRE HOLDER	[M]
H600	RMR0317	8P CABLE HOLDER	[M]
H601	RMR0315	6P CABLE HOLDER	[M]
H920A	RMR0315	6P CABLE HOLDER	[M]
H920B	RMR0315	6P CABLE HOLDER	[M]
H940A	RMR0318	9P CABLE HOLDER	[M]
H940B	RMR0318	9P CABLE HOLDER	[M]
H1001	RMR0319	10P CABLE HOLDER	[M]
		JACKS	
JK101	RJH8304N	JK ANTENNA	[M]
JK300	GP1F32T	JK OPTICAL TERMINAL	[M]
JK305	RJH2213L-1	JK 2P RCA	[M]
JK500	RJR0054B-L	JK SPEAKER	[M]
JK500	SJS9236-J	JK AC INLET	[M] 
JK501	RJR0054C-L	JK SPEAKER	[M]
JK920	RJJ37TK07-X	JK HP/MIC	[M]
		EARTH TERMINAL	
E500	SNE1004-2	EARTH TERMINAL	[M]
		WIRES	
W1	REE0854	PRI WIRE YELLOW	[M]EB
W1	REZ1023-1	4P WIRE	[M]
W2	REE0955	WIRE AC IN	[M]EB
W2	REEX0089	PRI WIRE	[M]EG E
W2	REZ1024	3P WIRE	[M]
W500	REXX0202	2P STANDBY WIRE	[M]
W500	REXX0235	13P FLAT WIRE	[M]
W600	RWJ0208155RX	WIRE 8P PANEL TO DEC	[M]
W601	REXX0223	6P WIRE	[M]
W920	RWJ0206250XX	6P (2) FLAT WIRE	[M]
W940	RWJ1109140RR	9P WIRE	[M]
W1001	RWJ8010160RX	10P WIRE	[M]
W1002	RWJ0102065CK	WIRE	[M]
		RESISTORS	
R1	ERDS2TJ102T	1K 1/4W	[M]
R102	ERJ3GEYJ472V	4.7K 1/16W	[M]
R103	ERJ3GEYJ101V	100 1/16W	[M]
R104	ERJ3GEYJ103V	10K 1/16W	[M]
R105	ERJ3GEYJ471V	470 1/16W	[M]
R106	ERJ3GEYJ474V	470K 1/16W	[M]
R107	ERJ3GEYJ331V	330 1/16W	[M]
R108	ERJ3GEYJ474V	470K 1/16W	[M]
R109	ERJ3GEYJ331V	330 1/16W	[M]
R110	ERJ3GEYJ102V	1K 1/16W	[M]
R111	ERJ3GEYJ391V	390 1/16W	[M]

1.1.1.1	1.1.1.2	1.1.1.3	1.1.1.4
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Ref. No.	Part No.	Part Name & Description	Remarks
R112	ERJ3GEYJ104V	100K 1/16W	[M]
R113	ERJ3GEYJ103V	10K 1/16W	[M]
R114	ERJ3GEYJ562V	5.6K 1/16W	[M]
R115	ERJ3GEYJ561V	560 1/16W	[M]
R116	ERJ3GEYJ102V	1K 1/16W	[M]
R117	ERJ3GEYJ683V	68K 1/16W	[M]
R118	ERJ3GEYJ332V	3.3K 1/16W	[M]
R119	ERJ3GEYJ123V	12K 1/16W	[M]
R120	ERJ3GEYJ473V	47K 1/16W	[M]
R121	ERJ3GEYJ223V	22K 1/16W	[M]
R122	ERJ3GEYJ272V	2.7K 1/16W	[M]
R123	ERJ3GEYJ683V	68K 1/16W	[M]
R124	ERJ3GEYJ330V	33 1/16W	[M]
R125	ERJ3GEYJ471V	470 1/16W	[M]
R126	ERJ3GEYJ102V	1K 1/16W	[M]
R127	ERJ3GEYJ471V	470 1/16W	[M]
R128	ERJ3GEYJ820V	82 1/16W	[M]
R129	ERJ3GEYJ273V	27K 1/16W	[M]
R130	ERJ3GEYJ103V	10K 1/16W	[M]
R131	ERJ3GEYJ680V	68 1/16W	[M]
R132	ERJ3GEYJ103V	10K 1/16W	[M]
R133	ERJ3GEYJ102V	1K 1/16W	[M]
R134	ERJ3GEYJ471V	470 1/16W	[M]
R135	ERJ3GEYJ102V	1K 1/16W	[M]
R136	ERJ3GEYJ102V	1K 1/16W	[M]
R137	ERJ3GEYJ102V	1K 1/16W	[M]
R138	ERJ3GEYJ332V	3.3K 1/16W	[M]
R139	ERJ3GEYJ223V	22K 1/16W	[M]
R140	ERJ3GEYJ223V	22K 1/16W	[M]
R141	ERJ3GEYJ682V	6.8K 1/16W	[M]
R142	ERJ3GEYJ682V	6.8K 1/16W	[M]
R143	ERJ3GEYJ223V	22K 1/16W	[M]
R145	ERJ3GEYJ104V	100K 1/16W	[M]
R146	ERJ3GEYJ104V	100K 1/16W	[M]
R151	ERJ3GEYJ820V	82 1/16W	[M]
R152	ERJ3GEY0R00V	0 1/16W	[M]
R201	ERJ3GEYJ103V	10K 1/16W	[M]
R202	ERJ3GEYJ392V	3.9K 1/16W	[M]
R207	ERJ3GEYJ152V	1.5K 1/16W	[M]
R208	ERJ3GEYJ103V	10K 1/16W	[M]
R209	ERJ3GEYJ473V	47K 1/16W	[M]
R210	ERJ3GEYJ102V	1K 1/16W	[M]
R211	ERJ3GEYJ222V	2.2K 1/16W	[M]
R212	ERJ3GEYJ472V	4.7K 1/16W	[M]
R213	ERJ3GEYJ563V	56K 1/16W	[M]
R214	ERJ3GEYJ103V	10K 1/16W	[M]
R215	ERJ3GEYJ102V	1K 1/16W	[M]
R220	ERJ3GEYJ104V	100K 1/16W	[M]
R221	ERJ3GEYJ152V	1.5K 1/16W	[M]
R222	ERJ3GEYJ472V	4.7K 1/16W	[M]
R223	ERJ3GEYJ473V	47K 1/16W	[M]
R224	ERJ3GEYJ153V	15K 1/16W	[M]
R225	ERJ3GEYJ392V	3.9K 1/16W	[M]
R226	ERJ3GEYJ121V	120 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R227	ERJ3GEY0R00V	0 1/16W	[M]
R233	ERJ3GEYJ332V	3.3K 1/16W	[M]
R248	ERJ3GEYJ121V	120 1/16W	[M]
R249	ERJ3GEYJ121V	120 1/16W	[M]
R250	ERJ3GEYJ121V	120 1/16W	[M]
R251	ERJ3GEYJ121V	120 1/16W	[M]
R253	ERJ3GEYJ223V	22K 1/16W	[M]
R300	ERJ3GEYJ472V	4.7K 1/16W	[M]
R301	ERJ3GEYJ104V	100K 1/16W	[M]
R302	ERJ3GEYJ104V	100K 1/16W	[M]
R303	ERJ3GEYJ103V	10K 1/16W	[M]
R304	ERDS1FVJ100T	10 1/2W	[M]
R307	ERJ3GEY0R00V	0 1/16W	[M]
R308	ERJ3GEY0R00V	0 1/16W	[M]
R309	ERJ3GEYJ471V	470 1/16W	[M]
R313	ERJ3GEYJ393V	39K 1/16W	[M]
R316	ERJ3GEYJ153V	15K 1/16W	[M]
R320	ERJ3GEYJ104V	100K 1/16W	[M]
R321	ERJ3GEYJ152V	1.5K 1/16W	[M]
R323	ERJ3GEYJ473V	47K 1/16W	[M]
R324	ERJ3GEYJ182V	1.8K 1/16W	[M]
R325	ERJ3GEYJ223V	22K 1/16W	[M]
R326	ERJ3GEYJ101V	100 1/16W	[M]
R327	ERJ3GEYJ222V	2.2K 1/16W	[M]
R328	ERJ3GEYJ333V	33K 1/16W	[M]
R329	ERJ3GEYJ473V	47K 1/16W	[M]
R330	ERJ3GEYJ151V	150 1/16W	[M]
R331	ERJ3GEYJ472V	4.7K 1/16W	[M]
R332	ERD2FCVJ4R7T	4.7 1/4W	[M]
R333	ERJ3GEYJ563V	56K 1/16W	[M]
R334	ERJ3GEYJ471V	470 1/16W	[M]
R335	ERJ3GEYJ824V	820K 1/16W	[M]
R336	ERJ3GEYJ824V	820K 1/16W	[M]
R338	ERJ3GEYJ681V	680 1/16W	[M]
R339	ERJ3GEYJ152V	1.5K 1/16W	[M]
R340	ERJ3GEYJ102V	1K 1/16W	[M]
R341	ERJ3GEYJ472V	4.7K 1/16W	[M]
R342	ERJ3GEYJ103V	10K 1/16W	[M]
R343	ERJ3GEYJ103V	10K 1/16W	[M]
R344	ERJ3GEYJ222V	2.2K 1/16W	[M]
R345	ERJ3GEYJ221V	220 1/16W	[M]
R346	ERJ3GEYJ223V	22K 1/16W	[M]
R347	ERJ3GEYJ123V	12K 1/16W	[M]
R348	ERJ3GEYJ183V	18K 1/16W	[M]
R349	ERJ3GEYJ103V	10K 1/16W	[M]
R350	ERJ3GEYJ102V	1K 1/16W	[M]
R351	ERJ3GEYJ103V	10K 1/16W	[M]
R353	ERJ3GEYJ103V	10K 1/16W	[M]
R354	ERJ3GEYJ123V	12K 1/16W	[M]
R355	ERJ3GEYJ223V	22K 1/16W	[M]
R356	ERJ3GEYJ102V	1K 1/16W	[M]
R357	ERJ3GEYJ102V	1K 1/16W	[M]
R358	ERJ3GEYJ473V	47K 1/16W	[M]
R359	ERJ3GEYJ473V	47K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R360	ERJ3GEYJ104V	100K 1/16W	[M]
R361	ERJ3GEYJ104V	100K 1/16W	[M]
R367	ERJ3GEYJ103V	10K 1/16W	[M]
R371	ERJ3GEYJ472V	4.7K 1/16W	[M]
R372	ERJ3GEYJ103V	10K 1/16W	[M]
R373	ERJ3GEYJ153V	15K 1/16W	[M]
R374	ERJ3GEYJ822V	8.2K 1/16W	[M]
R375	ERJ3GEYJ822V	8.2K 1/16W	[M]
R376	ERJ3GEYJ123V	12K 1/16W	[M]
R377	ERJ3GEYJ183V	18K 1/16W	[M]
R378	ERJ3GEYJ473V	47K 1/16W	[M]
R379	ERJ3GEYJ472V	4.7K 1/16W	[M]
R380	ERJ3GEYJ102V	1K 1/16W	[M]
R381	ERJ3GEYJ473V	47K 1/16W	[M]
R382	ERJ3GEYJ473V	47K 1/16W	[M]
R383	ERJ3GEYJ392V	3.9K 1/16W	[M]
R384	ERJ3GEYJ473V	47K 1/16W	[M]
R385	ERJ3GEYJ683V	68K 1/16W	[M]
R401	ERJ3GEYJ103V	10K 1/16W	[M]
R402	ERJ3GEYJ392V	3.9K 1/16W	[M]
R407	ERJ3GEYJ152V	1.5K 1/16W	[M]
R408	ERJ3GEYJ103V	10K 1/16W	[M]
R409	ERJ3GEYJ473V	47K 1/16W	[M]
R410	ERJ3GEYJ102V	1K 1/16W	[M]
R411	ERJ3GEYJ222V	2.2K 1/16W	[M]
R412	ERJ3GEYJ472V	4.7K 1/16W	[M]
R413	ERJ3GEYJ563V	56K 1/16W	[M]
R414	ERJ3GEYJ103V	10K 1/16W	[M]
R415	ERJ3GEYJ102V	1K 1/16W	[M]
R420	ERJ3GEYJ104V	100K 1/16W	[M]
R421	ERJ3GEYJ152V	1.5K 1/16W	[M]
R422	ERJ3GEYJ472V	4.7K 1/16W	[M]
R423	ERJ3GEYJ473V	47K 1/16W	[M]
R424	ERJ3GEYJ153V	15K 1/16W	[M]
R425	ERJ3GEYJ392V	3.9K 1/16W	[M]
R426	ERJ3GEYJ121V	120 1/16W	[M]
R427	ERJ3GEY0R00V	0 1/16W	[M]
R433	ERJ3GEYJ332V	3.3K 1/16W	[M]
R448	ERJ3GEYJ121V	120 1/16W	[M]
R449	ERJ3GEYJ121V	120 1/16W	[M]
R450	ERJ3GEYJ121V	120 1/16W	[M]
R451	ERJ3GEYJ121V	120 1/16W	[M]
R453	ERJ3GEYJ223V	22K 1/16W	[M]
R500	ERDS2TJ153T	15K 1/4W	[M]
R501	ERDS2TJ153T	15K 1/4W	[M]
R502	ERDS2TJ562T	5.6K 1/4W	[M]
R503	ERDS2TJ562T	5.6K 1/4W	[M]
R504	ERDS2TJ153T	15K 1/4W	[M]
R506	ERDS2TJ562T	5.6K 1/4W	[M]
R507	ERDS2TJ562T	5.6K 1/4W	[M]
R510	ERD25FVJ331T	330 1/4W	[M]
R511	ERDS2TJ563T	56K 1/4W	[M]
R512	ERDS2TJ563T	56K 1/4W	[M]
R513	ERDS2TJ563T	56K 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R514	ERDS2TJ563T	56K 1/4W	[M]
R515	ERDS2TJ472T	4.7K 1/4W	[M]
R516	ERD25FVJ331T	330 1/4W	[M]
R517	ERDS2TJ472T	4.7K 1/4W	[M]
R518	ERDS2TJ474T	470K 1/4W	[M]
R519	ERD2FCVJ4R7T	4.7 1/4W	[M]
R520	ERD2FCVJ4R7T	4.7 1/4W	[M]
R521	ERDS2TJ151T	150 1/4W	[M]
R522	ERDS2TJ224T	220K 1/4W	[M]
R523	ERDS2TJ124T	120K 1/4W	[M]
R524	ERDS2TJ154T	150K 1/4W	[M]
R525	ERDS2TJ184T	180K 1/4W	[M]
R526	ERDS2TJ103T	10K 1/4W	[M]
R527	ERDS2TJ104T	100K 1/4W	[M]
R528	ERDS2TJ223T	22K 1/4W	[M]
R532	ERDS2TJ151T	150 1/4W	[M]
R534	ERDS1FVJ100T	10 1/2W	[M]
R535	ERDS1FVJ100T	10 1/2W	[M]
R536	ERDS1FVJ100T	10 1/2W	[M]
R537	ERDS1FVJ100T	10 1/2W	[M]
R538	ERDS1FVJ2R2T	2.2 1/2W	[M]
R539	ERDS1FVJ2R2T	2.2 1/2W	[M]
R540	RSFMB40KT-L	FUSE PROTECTOR	[M] 
R541	ERDS2TJ152T	1.5K 1/4W	[M]
R542	ERDS2TJ152T	1.5K 1/4W	[M]
R543	RSFMB10KT-L	PROTECTOR	[M] 
R544	ERDS2TJ473T	47K 1/4W	[M]
R545	ERDS2TJ473T	47K 1/4W	[M]
R550	ERDS2TJ100T	10 1/4W	[M]
R551	ERDS2TJ100T	10 1/4W	[M]
R552	ERDS2TJ100T	10 1/4W	[M]
R553	ERDS2TJ100T	10 1/4W	[M]
R570	ERDS1FVJ100T	10 1/2W	[M]
R571	ERDS1FVJ100T	10 1/2W	[M]
R572	ERDS1FVJ150T	15 1/2W	[M]
R573	ERDS2TJ151T	150 1/4W	[M]
R574	ERDS2TJ222T	2.2K 1/4W	[M]
R576	ERDS2TJ103T	10K 1/4W	[M]
R577	ERDS2TJ103T	10K 1/4W	[M]
R578	ERDS2TJ331T	330 1/4W	[M]
R583	RSFMB40KT-L	FUSE PROTECTOR	[M] 
R600	ERDS2TJ472T	4.7K 1/4W	[M]
R601	ERDS2TJ472T	4.7K 1/4W	[M]
R602	ERDS2TJ472T	4.7K 1/4W	[M]
R603	ERDS2TJ820T	82 1/4W	[M]
R604	ERDS2TJ820T	82 1/4W	[M]
R605	ERDS2TJ392T	3.9K 1/4W	[M]
R608	ERDS2TJ101T	100 1/4W	[M]
R609	ERDS2TJ222T	2.2K 1/4W	[M]
R610	ERDS2TJ222T	2.2K 1/4W	[M]
R611	ERDS2TJ104T	100K 1/4W	[M]
R612	ERDS2TJ104T	100K 1/4W	[M]
R613	ERDS2TJ104T	100K 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R614	ERDS2TJ104T	100K 1/4W	[M]
R615	ERDS2TJ104T	100K 1/4W	[M]
R616	ERDS2TJ104T	100K 1/4W	[M]
R617	ERDS2TJ104T	100K 1/4W	[M]
R618	ERDS2TJ104T	100K 1/4W	[M]
R619	ERDS2TJ104T	100K 1/4W	[M]
R620	ERDS2TJ104T	100K 1/4W	[M]
R621	ERDS2TJ104T	100K 1/4W	[M]
R622	ERDS2TJ104T	100K 1/4W	[M]
R623	ERDS2TJ152T	1.5K 1/4W	[M]
R624	ERDS2TJ223T	22K 1/4W	[M]
R625	ERDS2TJ102T	1K 1/4W	[M]
R626	ERDS2TJ102T	1K 1/4W	[M]
R628	ERDS2TJ103T	10K 1/4W	[M]
R629	ERDS2TJ103T	10K 1/4W	[M]
R630	ERDS2TJ103T	10K 1/4W	[M]
R631	ERDS2TJ101T	100 1/4W	[M]
R632	ERDS2TJ101T	100 1/4W	[M]
R633	ERDS2TJ101T	100 1/4W	[M]
R634	ERDS2TJ102T	1K 1/4W	[M]
R635	ERDS2TJ102T	1K 1/4W	[M]
R636	ERDS2TJ101T	100 1/4W	[M]
R637	ERDS2TJ223T	22K 1/4W	[M]
R638	ERDS2TJ681T	680 1/4W	[M]
R639	ERDS2TJ101T	100 1/4W	[M]
R640	ERDS2TJ101T	100 1/4W	[M]
R641	ERDS2TJ473T	47K 1/4W	[M]
R642	ERDS2TJ223T	22K 1/4W	[M]
R643	ERDS2TJ103T	10K 1/4W	[M]
R644	ERDS2TJ471T	470 1/4W	[M]
R645	ERDS2TJ102T	1K 1/4W	[M]
R646	ERDS2TJ223T	22K 1/4W	[M]
R647	ERDS2TJ101T	100 1/4W	[M]
R648	ERDS2TJ101T	100 1/4W	[M]
R649	ERDS2TJ472T	4.7K 1/4W	[M]
R650	ERDS2TJ474T	470K 1/4W	[M]
R651	ERDS2TJ680T	68 1/4W	[M]
R652	ERDS2TJ680T	68 1/4W	[M]
R653	ERDS2TJ472T	4.7K 1/4W	[M]
R654	ERDS2TJ472T	4.7K 1/4W	[M]
R655	ERDS2TJ472T	4.7K 1/4W	[M]
R656	ERDS2TJ103T	10K 1/4W	[M]
R657	ERDS2TJ102T	1K 1/4W	[M]
R658	ERDS2TJ103T	10K 1/4W	[M]
R659	ERDS2TJ103T	10K 1/4W	[M]
R660	ERDS2TJ103T	10K 1/4W	[M]
R661	ERDS2TJ472T	4.7K 1/4W	[M]
R662	ERDS2TJ103T	10K 1/4W	[M]
R663	ERDS2TJ562T	5.6K 1/4W	[M]
R664	ERDS2TJ101T	100 1/4W	[M]
R665	ERDS2TJ101T	100 1/4W	[M]
R666	ERDS2TJ101T	100 1/4W	[M]
R667	ERDS2TJ562T	5.6K 1/4W	[M]
R668	ERDS2TJ562T	5.6K 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R669	ERDS2TJ562T	5.6K 1/4W	[M]
R670	ERDS2TJ104T	100K 1/4W	[M]
R671	ERDS2TJ104T	100K 1/4W	[M]
R672	ERDS2TJ104T	100K 1/4W	[M]
R673	ERDS2TJ223T	22K 1/4W	[M]
R674	ERDS2TJ102T	1K 1/4W	[M]
R675	ERDS2TJ472T	4.7K 1/4W	[M]
R676	ERDS2TJ472T	4.7K 1/4W	[M]
R677	ERDS2TJ681T	680 1/4W	[M]
R678	ERDS2TJ334T	330K 1/4W	[M]
R679	ERDS2TJ106T	10M 1/4W	[M]
R680	ERDS2TJ103T	10K 1/4W	[M]
R681	ERDS2TJ103T	10K 1/4W	[M]
R682	ERDS2TJ123T	12K 1/4W	[M]
R683	ERDS2TJ223T	22K 1/4W	[M]
R684	ERDS2TJ104T	100K 1/4W	[M]
R686	ERDS2TJ562T	5.6K 1/4W	[M]
R687	ERDS2TJ223T	22K 1/4W	[M]
R688	ERDS2TJ223T	22K 1/4W	[M]
R689	ERDS2TJ472T	4.7K 1/4W	[M]
R690	ERDS2TJ101T	100 1/4W	[M]
R691	ERDS2TJ473T	47K 1/4W	[M]
R692	ERDS2TJ473T	47K 1/4W	[M]
R693	ERDS2TJ473T	47K 1/4W	[M]
R694	ERDS2TJ473T	47K 1/4W	[M]
R695	ERDS2TJ473T	47K 1/4W	[M]
R696	ERDS2TJ102T	1K 1/4W	[M]
R697	ERDS2TJ223T	22K 1/4W	[M]
R699	ERDS2TJ103T	10K 1/4W	[M]
R701	ERJ3GEYJ4R7V	4.7 1/16W	[M]
R702	ERJ3GEYJ103V	10K 1/16W	[M]
R704	ERJ3GEYJ102V	1K 1/16W	[M]
R705	ERJ3GEYJ154V	150K 1/16W	[M]
R706	ERJ3GEYJ102V	1K 1/16W	[M]
R707	ERJ3GEYJ393V	39K 1/16W	[M]
R708	ERJ3GEYJ223V	22K 1/16W	[M]
R709	ERJ3GEYJ683V	68K 1/16W	[M]
R711	ERJ3GEYJ823V	82K 1/16W	[M]
R712	ERJ3GEYJ221V	220 1/16W	[M]
R714	ERJ3GEYJ121V	120 1/16W	[M]
R715	ERJ3GEYJ102V	1K 1/16W	[M]
R717	ERJ3GEYJ102V	1K 1/16W	[M]
R718	ERJ3GEYJ102V	1K 1/16W	[M]
R721	ERJ3GEYJ101V	100 1/16W	[M]
R723	ERJ3GEYJ682V	6.8K 1/16W	[M]
R724	ERJ6GEYJ183V	18K 1/10W	[M]
R725	ERJ3GEYJ391V	390 1/16W	[M]
R727	ERJ3GEYJ392V	3.9K 1/16W	[M]
R728	ERJ3GEYJ392V	3.9K 1/16W	[M]
R729	ERJ3GEYJ392V	3.9K 1/16W	[M]
R731	ERJ6GEYJ682V	6.8K 1/10W	[M]
R735	ERJ6GEYJ101V	100 1/10W	[M]
R736	ERJ3GEYJ101V	100 1/16W	[M]
R741	ERJ3GEYJ473V	47K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R742	ERJ6GEYJ224V	220K 1/10W	[M]
R744	ERJ3GEYJ124V	120K 1/16W	[M]
R749	ERJ3GEYJ472V	4.7K 1/16W	[M]
R750	ERJ6GEYJ4R7V	4.7 1/10W	[M]
R753	ERJ3GEYJ100V	10 1/16W	[M]
R900	ERDS2TJ223T	22K 1/4W	[M]
R901	ERDS2TJ102T	1K 1/4W	[M]
R902	ERDS2TJ102T	1K 1/4W	[M]
R903	ERDS2TJ122T	1.2K 1/4W	[M]
R904	ERDS2TJ182T	1.8K 1/4W	[M]
R905	ERDS2TJ222T	2.2K 1/4W	[M]
R906	ERDS2TJ102T	1K 1/4W	[M]
R907	ERDS2TJ102T	1K 1/4W	[M]
R908	ERDS2TJ122T	1.2K 1/4W	[M]
R909	ERDS2TJ182T	1.8K 1/4W	[M]
R910	ERDS2TJ222T	2.2K 1/4W	[M]
R911	ERDS2TJ272T	2.7K 1/4W	[M]
R912	ERDS2TJ472T	4.7K 1/4W	[M]
R913	ERDS2TJ682T	6.8K 1/4W	[M]
R914	ERDS2TJ471T	470 1/4W	[M]
R915	ERDS2TJ471T	470 1/4W	[M]
R916	ERDS2TJ471T	470 1/4W	[M]
R917	ERDS2TJ471T	470 1/4W	[M]
R918	ERDS2TJ471T	470 1/4W	[M]
R919	ERDS2TJ123T	12K 1/4W	[M]
R920	ERDS2TJ683T	68K 1/4W	[M]
R940	ERDS2TJ272T	2.7K 1/4W	[M]
R941	ERDS2TJ472T	4.7K 1/4W	[M]
R942	ERDS2TJ682T	6.8K 1/4W	[M]
R943	ERDS2TJ103T	10K 1/4W	[M]
R944	ERDS2TJ223T	22K 1/4W	[M]
R945	ERDS2TJ683T	68K 1/4W	[M]
R946	ERDS2TJ471T	470 1/4W	[M]
R947	ERDS2TJ471T	470 1/4W	[M]
R948	ERDS2TJ471T	470 1/4W	[M]
R949	ERDS2TJ471T	470 1/4W	[M]
R950	ERDS2TJ103T	10K 1/4W	[M]
R951	ERDS2TJ223T	22K 1/4W	[M]
R952	ERDS2TJ102T	1K 1/4W	[M]
R952	ERDS2TJ821T	820 1/4W	[M]
R953	ERDS2TJ102T	1K 1/4W	[M]
R953	ERDS2TJ393T	39K 1/4W	[M]
R954	ERDS2TJ122T	1.2K 1/4W	[M]
R955	ERDS2TJ182T	1.8K 1/4W	[M]
R956	ERDS2TJ222T	2.2K 1/4W	[M]
R957	ERDS2TJ272T	2.7K 1/4W	[M]
R958	ERDS2TJ472T	4.7K 1/4W	[M]
R959	ERDS2TJ682T	6.8K 1/4W	[M]
R960	ERDS2TJ103T	10K 1/4W	[M]
R961	ERDS2TJ223T	22K 1/4W	[M]
R972	ERDS2TJ821T	820 1/4W	[M]
R973	ERDS2TJ393T	39K 1/4W	[M]
R990	ERDS2TJ104T	100K 1/4W	[M]
R991	ERDS2TJ104T	100K 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R992	ERDS2TJ102T	1K 1/4W	[M]
R993	ERDS2TJ102T	1K 1/4W	[M]
R994	ERDS2TJ121T	120 1/4W	[M]
R995	ERDS2TJ102T	1K 1/4W	[M]
R996	ERDS2TJ103T	10K 1/4W	[M]
R997	ERDS2TJ471T	470 1/4W	[M]
R998	ERDS2TJ122T	1.2K 1/4W	[M]
R999	ERDS2TJ102T	1K 1/4W	[M]
R1001	ERJ3GEYJ1R0V	1 1/16W	[M]
R1003	ERJ3GEYJ103V	10K 1/16W	[M]
R1004	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1005	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1006	ERJ3GEYJ102V	1K 1/16W	[M]
R1007	ERD25FVJ4R7T	4.7 1/4W	[M]
R1008	ERJ3GEYJ223V	22K 1/16W	[M]
R1009	ERJ3GEYJ183V	18K 1/16W	[M]
R1010	ERJ3GEYJ183V	18K 1/16W	[M]
R1011	ERJ3GEYJ103V	10K 1/16W	[M]
R1012	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1013	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1014	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1015	ERJ3GEYJ470V	47 1/16W	[M]
R1016	ERJ3GEYJ470V	47 1/16W	[M]
R1017	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1018	ERJ3GEYJ392V	3.9K 1/16W	[M]
R1019	ERJ3GEYJ392V	3.9K 1/16W	[M]
R1020	ERJ3GEYJ470V	47 1/16W	[M]
R1022	ERJ3GEYJ103V	10K 1/16W	[M]
R1024	ERJ3GEYJ563V	56K 1/16W	[M]
R1026	ERJ3GEYJ102V	1K 1/16W	[M]
R1027	ERJ3GEYJ104V	100K 1/16W	[M]
R1028	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1029	ERJ3GEYJ475V	4.7M 1/16W	[M]
R1030	ERJ3GEYJ101V	100 1/16W	[M]
R1031	ERJ3GEYJ273V	27K 1/16W	[M]
R1032	ERJ3GEYJ103V	10K 1/16W	[M]
R1035	ERJ3GEYJ103V	10K 1/16W	[M]
R1036	ERJ3GEYJ470V	47 1/16W	[M]
R1037	ERJ3GEYJ104V	100K 1/16W	[M]
R1038	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1039	ERJ3GEYJ153V	15K 1/16W	[M]
R1040	ERJ3GEYJ563V	56K 1/16W	[M]
R1045	ERJ3GEYJ104V	100K 1/16W	[M]
R1046	ERJ3GEYJ104V	100K 1/16W	[M]
R1047	ERJ3GEYJ102V	1K 1/16W	[M]
R1048	ERJ3GEYJ102V	1K 1/16W	[M]
R1049	ERJ3GEYJ105V	1M 1/16W	[M]
R1050	ERJ3GEYJ105V	1M 1/16W	[M]
R1051	ERJ3GEYJ221V	220 1/16W	[M]
R1052	ERJ3GEYJ221V	220 1/16W	[M]
R1053	ERJ3GEYJ681V	680 1/16W	[M]
R1054	ERJ3GEYJ681V	680 1/16W	[M]
R1055	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1056	ERJ3GEYJ221V	220 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1057	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1058	ERJ3GEYJ272V	2.7K 1/16W	[M]
R1059	ERJ3GEYJ103V	10K 1/16W	[M]
R1060	ERJ3GEYJ391V	390 1/16W	[M]
R1061	ERJ3GEYJ2R7V	2.7 1/16W	[M]
R1062	ERJ3GEYJ2R7V	2.7 1/16W	[M]
R1063	ERJ3GEYJ102V	1K 1/16W	[M]
R1064	ERJ3GEYJ102V	1K 1/16W	[M]
R1065	ERJ3GEYJ102V	1K 1/16W	[M]
R1066	ERJ3GEYJ102V	1K 1/16W	[M]
R1067	ERJ3GEYJ153V	15K 1/16W	[M]
R1068	ERJ3GEYJ153V	15K 1/16W	[M]
R1069	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1070	ERJ3GEYJ103V	10K 1/16W	[M]
R1071	ERJ3GEYJ103V	10K 1/16W	[M]
R1072	ERJ3GEYJ331V	330 1/16W	[M]
R1073	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1074	ERJ3GEYJ823V	82K 1/16W	[M]
R1075	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1076	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1077	ERJ3GEYJ393V	39K 1/16W	[M]
R1078	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1079	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1080	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1081	ERJ3GEYJ102V	1K 1/16W	[M]
R1082	ERJ3GEYJ393V	39K 1/16W	[M]
R1083	ERJ3GEYJ822V	8.2K 1/16W	[M]
R1084	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1085	ERJ3GEYJ473V	47K 1/16W	[M]
R1086	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1087	ERJ3GEYJ473V	47K 1/16W	[M]
R1088	ERJ3GEYJ223V	22K 1/16W	[M]
R1089	ERJ3GEYJ223V	22K 1/16W	[M]
R1090	ERJ3GEYJ221V	220 1/16W	[M]
R1090	ERJ3GEYJ331V	330 1/16W	[M]
R1091	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1092	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1093	ERJ3GEYJ102V	1K 1/16W	[M]
R1094	ERJ3GEYJ102V	1K 1/16W	[M]
R1095	ERJ3GEYJ104V	100K 1/16W	[M]
R1096	ERJ3GEYJ104V	100K 1/16W	[M]
R1097	ERJ3GEYJ473V	47K 1/16W	[M]
R1098	ERJ3GEYJ473V	47K 1/16W	[M]
		CAPACITORS	
C1	ECEA1CKA101B	100 16V	[M]
C2	ECBT1E103ZF5	0.01 25V	[M]
C101	ECUV1E103KBV	0.01 25V	[M]
C102	ECEA1CKA101B	100 16V	[M]
C103	ECUV1E103KBV	0.01 25V	[M]
C104	ECUV1H102KBV	1000P 50V	[M]
C105	ECUV1H102KBN	1000P 50V	[M]
C106	ECUV1E103KBV	0.01 25V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C107	ECUV1E473ZFV	0.047 25V	[M]
C108	ECUV1H080DCV	8P 50V	[M]
C109	ECUV1H102KBV	1000P 50V	[M]
C110	ECUV1E103KBV	0.01 25V	[M]
C111	ECEA1HKA4R7B	4.7 50V	[M]
C112	ECUV1E103KBV	0.01 25V	[M]
C113	ECUV1H102KBV	1000P 50V	[M]
C114	ECEA1HKA3R3B	3.3 50V	[M]
C115	ECEA1HKA4R7B	4.7 50V	[M]
C116	ECUV1C333KBV	0.033 16V	[M]
C117	ECUV1E103KBV	0.01 25V	[M]
C118	ECUV1E103KBV	0.01 25V	[M]
C119	ECQP2A561JZT	560P 100V	[M]
C120	ECEA1CKA100B	10 16V	[M]
C121	ECEA1HKAR47B	0.47 50V	[M]
C122	ECEA1HKA010B	1 50V	[M]
C123	ECEA1HKA010B	1 50V	[M]
C124	ECUV1H101KCV	100P 50V	[M]
C125	ECEA1CKA220B	22 16V	[M]
C126	ECUV1C105ZFN	1 16V	[M]
C127	ECEA1CKA220B	22 16V	[M]
C129	ECEA0JKA101B	100 6.3V	[M]
C130	ECEA0JKA101B	100 6.3V	[M]
C131	ECUV1H101JCV	100P 50V	[M]
C132	ECUV1H102KBV	1000P 50V	[M]
C133	ECUV1H270JCV	27P 50V	[M]
C134	ECUV1H270JCV	27P 50V	[M]
C136	ECUV1H102KBV	1000P 50V	[M]
C137	ECUV1H332KBV	3300P 50V	[M]
C138	ECUV1E103KBV	0.01 25V	[M]
C139	ECEA1HKA4R7B	4.7 50V	[M]
C141	ECEA1HKA010B	1 50V	[M]
C142	ECEA1HKA010B	1 50V	[M]
C143	ECUV1H472KBV	4700P 50V	[M]
C144	ECUV1H682KBV	6800P 50V	[M]
C147	ECUV1H102KBV	1000P 50V	[M]
C148	ECUV1E103KBV	0.01 25V	[M]
C149	ECUV1C104ZFV	0.1 16V	[M]
C201	ECUV1H681KBV	680P 50V	[M]
C202	ECUV1H101KCV	100P 50V	[M]
C204	ECUV1H221KBV	220P 50V	[M]
C207	ECEA1CKA100B	10 16V	[M]
C225	ECEA1HKA3R3B	3.3 50V	[M]
C226	ECUV1C683KBV	0.068 16V	[M]
C227	ECUV1H681KBV	680P 50V	[M]
C228	ECEA1CKA100B	10 16V	[M]
C229	ECUV1H101KCV	100P 50V	[M]
C230	ECUV1H470JCV	47P 50V	[M]
C231	ECEA1HKA3R3B	3.3 50V	[M]
C232	ECUV1H332KBV	3300P 50V	[M]
C233	ECEA1HKA2R2B	2.2 50V	[M]
C234	ECEA1HKA4R7B	4.7 50V	[M]
C235	ECEA1HKA2R2B	2.2 50V	[M]
C236	ECEA1HKA2R2B	2.2 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C237	ECUV1H102KBV	1000P 50V	[M]
C238	ECEA1CKA470B	47 16V	[M]
C300	ECUV1E103KBV	0.01 25V	[M]
C301	ECUV1H102KBV	1000P 50V	[M]
C302	ECUV1E103KBV	0.01 25V	[M]
C303	ECEA1CKA100B	10 16V	[M]
C304	ECUV1C473KBV	0.047 16V	[M]
C305	ECUV1H472KBV	4700P 50V	[M]
C306	ECEA1HKAR33B	0.33 50V	[M]
C307	ECEA1HKAR15B	0.15 50V	[M]
C308	ECUV1C104KBV	0.1 16V	[M]
C309	ECEA0JKA101B	100 6.3V	[M]
C310	ECUV1C473KBV	0.047 16V	[M]
C311	ECEA1HKAR33B	0.33 50V	[M]
C312	ECEA1HKAR15B	0.15 50V	[M]
C313	ECUV1C104KBV	0.1 16V	[M]
C314	ECUV1C104KBV	0.1 16V	[M]
C315	ECUV1C104KBV	0.1 16V	[M]
C316	ECUV1C104KBV	0.1 16V	[M]
C317	ECEA1HKN4R7B	4.7 50V	[M]
C318	ECUV1E103KBV	0.01 25V	[M]
C319	ECUV1E103KBV	0.01 25V	[M]
C320	ECUV1E103KBV	0.01 25V	[M]
C321	ECUV1E103KBV	0.01 25V	[M]
C322	ECUV1C223KBV	0.022 16V	[M]
C323	ECUV1C223KBV	0.022 16V	[M]
C324	ECUV1C223KBV	0.022 16V	[M]
C325	ECEA1CKA100B	10 16V	[M]
C327	ECUV1H681KBV	680P 50V	[M]
C328	ECEA1CKA100B	10 16V	[M]
C329	ECUV1H101KCV	100P 50V	[M]
C330	ECUV1H470JCV	47P 50V	[M]
C331	ECEA1HKA4R7B	4.7 50V	[M]
C332	ECEA1HKA3R3B	3.3 50V	[M]
C333	ECUV1C223KBV	0.022 16V	[M]
C334	ECUV1H472KBV	4700P 50V	[M]
C335	ECUV1H472KBV	4700P 50V	[M]
C336	ECUV1H472KBV	4700P 50V	[M]
C337	ECUV1H102KBV	1000P 50V	[M]
C338	ECUV1C104KBV	0.1 16V	[M]
C339	ECEA1HKA2R2B	2.2 50V	[M]
C340	ECUV1H472KBV	4700P 50V	[M]
C341	ECUV1H102KBV	1000P 50V	[M]
C342	ECUV1H102KBV	1000P 50V	[M]
C343	ECUV1C683KBV	0.068 16V	[M]
C344	ECUV1C104KBV	0.1 16V	[M]
C345	ECUV1C104KBV	0.1 16V	[M]
C346	ECUV1C683KBV	0.068 16V	[M]
C347	ECUV1C104KBV	0.1 16V	[M]
C348	ECUV1C104KBV	0.1 16V	[M]
C349	ECQV1H104JL3	0.1 50V	[M]
C350	ECUV1C104KBV	0.1 16V	[M]
C351	ECUV1A224KBV	0.22 10V	[M]
C352	ECUV1A224KBV	0.22 10V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C353	ECUV1C104KBV	0.1 16V	[M]
C354	ECEA1AM221B	220 10V	[M]
C355	ECEA1CKA100B	10 16V	[M]
C356	ECQV1H224JL3	0.22 50V	[M]
C357	ECEA1CKA100B	10 16V	[M]
C358	ECEA2AM100B	10 100V	[M]
C359	ECKR1H103ZF5	0.01 50V	[M]
C360	ECEA1JM101B	100 63V	[M]
C362	ECEA1HKA2R2B	2.2 50V	[M]
C363	ECUV1H101KCV	100P 50V	[M]
C364	ECUV1H101KCV	100P 50V	[M]
C365	ECUV1C474ZFB	0.47 16V	[M]
C366	ECEA1CKA100B	10 16V	[M]
C367	ECEA1CKA100B	10 16V	[M]
C374	ECKR1H102KB5	1000P 50V	[M]
C375	ECUV1H102KBV	1000P 50V	[M]
C382	ECUV1H102KBV	1000P 50V	[M]
C383	ECUV1H102KBV	1000P 50V	[M]
C384	ECUV1H101KCV	100P 50V	[M]
C401	ECUV1H681KBV	680P 50V	[M]
C402	ECUV1H101KCV	100P 50V	[M]
C404	ECUV1H221KBV	220P 50V	[M]
C407	ECEA1CKA100B	10 16V	[M]
C425	ECEA1HKA3R3B	3.3 50V	[M]
C426	ECUV1C683KBV	0.068 16V	[M]
C427	ECUV1H681KBV	680P 50V	[M]
C428	ECEA1CKA100B	10 16V	[M]
C429	ECUV1H101KCV	100P 50V	[M]
C430	ECUV1H470JCV	47P 50V	[M]
C431	ECEA1HKA3R3B	3.3 50V	[M]
C432	ECUV1H332KBV	3300P 50V	[M]
C433	ECEA1HKA2R2B	2.2 50V	[M]
C434	ECEA1HKA4R7B	4.7 50V	[M]
C435	ECEA1HKA2R2B	2.2 50V	[M]
C436	ECEA1HKA2R2B	2.2 50V	[M]
C437	ECUV1H102KBV	1000P 50V	[M]
C438	ECEA1CKA470B	47 16V	[M]
C500	ECBT1H471KB5	470P 50V	[M]
C502	ECBT1H471KB5	470P 50V	[M]
C503	ECBT1H471KB5	470P 50V	[M]
C505	ECKR1H103ZF5	0.01 50V	[M]
C506	ECBT1H471KB5	470P 50V	[M]
C507	ECBT1E103ZF5	0.01 25V	[M]
C508	ECKR1H103ZF5	0.01 50V	[M]
C509	ECBT1H103ZF5	0.01 50V	[M]
C511	ECBT1H150JC5	15P 50V	[M]
C512	ECBT1H150JC5	15P 50V	[M]
C513	ECBT1H220JC5	22P 50V	[M]
C514	ECBT1H220JC5	22P 50V	[M]
C515	ECBT1H103ZF5	0.01 50V	[M]
C516	ECBT1H473ZF5	0.047 50V	[M]
C517	ECEA1HM470B	47 50V	[M]
C518	ECEA1HM470B	47 50V	[M]
C519	ECEA1CKA100B	10 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C521	ECQE2104KF3	0.1 250V	[M]
C522	ECQE2104KF3	0.1 250V	[M]
C524	ECBT1H473KB5	0.047 50V	[M]
C526	ECBT1H473KB5	0.047 50V	[M]
C528	ECBT1H473KB5	0.047 50V	[M]
C530	ECBT1H473KB5	0.047 50V	[M]
C531	RCEA1V332B-S	3300P 35V	[M]
C532	RCE1VFW562BJ	5600P 50V5	[M]
C533	RCE1VFW562BJ	5600P 50V5	[M]
C534	RCEA1V332B-S	3300P 35V	[M]
C536	ECQV1H184JL3	0.18 50V	[M]
C537	ECEA1HM101B	100 50V	[M]
C538	ECEA1HM470B	47 50V	[M]
C539	ECEA1HM470B	47 50V	[M]
C540	ECEA1HM470B	47 50V	[M]
C541	ECEA1EM331B	330 25V	[M]
C550	ECBT1H103KB5	0.01 50V	[M]
C551	ECBT1H103KB5	0.01 50V	[M]
C552	ECBT1H473KB5	0.047 50V	[M]
C553	ECBT1H473KB5	0.047 50V	[M]
C570	ECEA1EKA470B	47 25V	[M]
C571	ECKR1H103ZF5	0.01 50V	[M]
C572	ECKR1H103ZF5	0.01 50V	[M]
C574	RCEA1C102B-S	1000P 16V	[M]
C575	ECEA1VKA4R7B	4.7 35V	[M]
C577	ECKR1H103ZF5	0.01 50V	[M]
C579	RCEA1E222B-S	2200P 25V	[M]
C580	ECKR2H103ZF5	0.01 500V	[M]
C600	ECEA1VKA220B	22 35V	[M]
C601	ECBT1H104ZF5	0.1 50V	[M]
C602	ECBT1H471KB5	470P 50V	[M]
C603	ECBT1H471KB5	470P 50V	[M]
C606	ECBT1H101KB5	100P 50V	[M]
C607	ECBT1H101KB5	100P 50V	[M]
C608	ECBT1H331KB5	330P 50V	[M]
C609	ECEA0JKA101B	100 6.3V	[M]
C610	ECBT1E104ZF5	0.1 25V	[M]
C611	RCEA0J102B-S	1000P 6.3V	[M]
C612	ECBT1H102KB5	1000P 50V	[M]
C613	ECBT1H101KB5	100P 50V	[M]
C614	ECBT1H101KB5	100P 50V	[M]
C616	ECEA1HKA010B	1 50V	[M]
C617	ECEA1HKA2R2B	2.2 50V	[M]
C618	ECBT1E104ZF5	0.1 25V	[M]
C619	ECBT1H101KB5	100P 50V	[M]
C620	ECBT1H101KB5	100P 50V	[M]
C621	ECBT1E103ZF5	0.01 25V	[M]
C622	ECEA1AKA220B	22 10V	[M]
C623	ECBT1H561KB5	560P 50V	[M]
C624	ECBT1H561KB5	560P 50V	[M]
C625	ECBT1H561KB5	560P 50V	[M]
C626	ECBT1H561KB5	560P 50V	[M]
C627	ECBT1H561KB5	560P 50V	[M]
C628	ECBT1H561KB5	560P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C629	ECBT1H561KB5	560P 50V	[M]
C630	ECBT1H561KB5	560P 50V	[M]
C631	ECBT1E103ZF5	0.01 25V	[M]
C632	ECBT1H561KB5	560P 50V	[M]
C633	ECBT1H101KB5	100P 50V	[M]
C634	ECEA1VKA220B	22 35V	[M]
C636	ECBT1H561KB5	560P 50V	[M]
C637	ECBT1H561KB5	560P 50V	[M]
C638	ECBT1H561KB5	560P 50V	[M]
C639	ECBT1E103ZF5	0.01 25V	[M]
C640	ECBT1H102KB5	1000P 50V	[M]
C641	ECBT1H102KB5	1000P 50V	[M]
C642	ECBT1H560J5	56P 50V	[M]
C643	ECBT1H560J5	56P 50V	[M]
C644	ECBT1H680J5	68P 50V	[M]
C645	ECBT1H680J5	68P 50V	[M]
C646	ECBT1H180JC5	18P 50V	[M]
C647	ECBT1H150JC5	15P 50V	[M]
C648	ECBT1H102KB5	1000P 50V	[M]
C650	ECBT1H331KB5	330P 50V	[M]
C660	ECEA1HKA3R3B	3.3 50V	[M]
C661	ECBT1E104ZF5	0.1 25V	[M]
C667	ECBT1E223ZF5	0.022 25V	[M]
C693	ECBT1H102KB5	1000P 50V	[M]
C694	ECBT1H102KB5	1000P 50V	[M]
C695	ECBT1H102KB5	1000P 50V	[M]
C696	ECBT1H101KB5	100P 50V	[M]
C697	ECBT1H101KB5	100P 50V	[M]
C698	ECBT1H101KB5	100P 50V	[M]
C699	ECBT1E104ZF5	0.1 25V	[M]
C701	ECEA0JKA330I	33 6.3V	[M]
C702	ECUV1C104KBV	0.1 16V	[M]
C703	ECEA0JKA101I	100 6.3V	[M]
C704	ECUV1C104KBV	0.1 16V	[M]
C706	ECUV1H272KBV	2700P 50V	[M]
C707	ECUV1E273KBV	0.027 25V	[M]
C710	ECUV1H121KCV	120P 50V	[M]
C711	ECUV1C104ZFV	0.1 16V	[M]
C712	ECUV1C104ZFV	0.1 16V	[M]
C713	ECUV1C104KBV	0.1 16V	[M]
C714	ECEA0JKA101I	100 6.3V	[M]
C715	ECUV1H272KBV	2700P 50V	[M]
C716	ECUV1H821KBN	820P 50V	[M]
C717	ECUV1C104ZFV	0.1 16V	[M]
C718	ECUV1A224KBV	0.22 10V	[M]
C721	ECUV1H100DCV	10P 50V	[M]
C722	ECUV1H100DCV	10P 50V	[M]
C723	ECEA1AKA221I	220 10V	[M]
C724	ECUZ1E104MBN	0.1 25V	[M]
C725	ECUV1H102KBV	1000P 50V	[M]
C726	ECUV1H102KBV	1000P 50V	[M]
C727	ECA1HAK010XI	1 50V	[M]
C728	ECA1HAK010XI	1 50V	[M]
C730	ECUV1C104ZFV	0.1 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C731	ECEA0JKA221I	220 6.3V	[M]
C732	ECEA0JKA221I	220 6.3V	[M]
C733	ECUV1C104KBV	0.1 16V	[M]
C734	ECEA1AKA221I	220 10V	[M]
C735	ECUZ1E104ZFN	0.1 25V	[M]
C736	ECUV1C104ZFV	0.1 16V	[M]
C737	ECUV1C104ZFV	0.1 16V	[M]
C738	ECUV1H103KBN	0.01 50V	[M]
C739	ECUV1H152KBV	1500P 50V	[M]
C742	ECUV1E273KBV	0.027 25V	[M]
C743	ECUV1C104ZFV	0.1 16V	[M]
C744	ECUV1H822KBV	8200P 50V	[M]
C745	ECUV1H102KBV	1000P 50V	[M]
C747	ECUV1H181KCV	180P 50V	[M]
C749	ECUV1H222KBV	2200P 50V	[M]
C750	ECUZ1E104MBN	0.1 25V	[M]
C751	ECUV1C104KBV	0.1 16V	[M]
C752	ECUV1H102KBV	1000P 50V	[M]
C753	ECUV1H471KBV	470P 50V	[M]
C754	ECUV1H471KBV	470P 50V	[M]
C900	ECBT1H101KB5	100P 50V	[M]
C919	ECBT1H101KB5	100P 50V	[M]
C920	ECBT1E223ZF5	0.022 25V	[M]
C921	ECBT1E223ZF5	0.022 25V	[M]
C940	ECBT1H102KB5	1000P 50V	[M]
C941	ECBT1E103ZF5	0.01 25V	[M]
C990	ECEA0JKA470B	47 6.3V	[M]
C991	ECBT1H102KB5	1000P 50V	[M]
C992	ECBT1E103ZF5	0.01 25V	[M]
C993	ECBT1H470J5	47P 50V	[M]
C994	ECBT1H470J5	47P 50V	[M]
C995	ECEA1HKA100B	10 50V	[M]
C996	ECBT1H331KB5	330P 50V	[M]
C997	ECEA1HKA100B	10 50V	[M]
C998	ECBT1H561KB5	560P 50V	[M]
C1001	ECUV1H103ZFV	0.01 50V	[M]
C1002	ECEA1HKN2R2B	2.2 50V	[M]
C1003	ECQP1152JZT	1500P 100V	[M]
C1006	ECEA1HKA010B	1 50V	[M]
C1007	ECQP2A472JZT	4700P 100V	[M]
C1008	ECEA1HKA010B	1 50V	[M]
C1009	ECEA1AKA470B	47 10V	[M]
C1010	ECEA1EM101B	100 25V	[M]
C1011	ECQV1H473JL3	0.047 50V	[M]
C1012	ECUV1H102KBV	1000P 50V	[M]
C1013	ECUV1H102KBV	1000P 50V	[M]
C1014	ECUV1H102KBV	1000P 50V	[M]
C1015	ECUV1H102KBV	1000P 50V	[M]
C1016	ECUV1H222KBV	2200P 50V	[M]
C1017	ECUV1H222KBV	2200P 50V	[M]
C1018	ECUV1H103KBV	0.01 50V	[M]
C1019	ECUV1H102KBV	1000P 50V	[M]
C1020	ECUV1H471KBV	470P 50V	[M]
C1021	ECUV1H471KBV	470P 50V	[M]

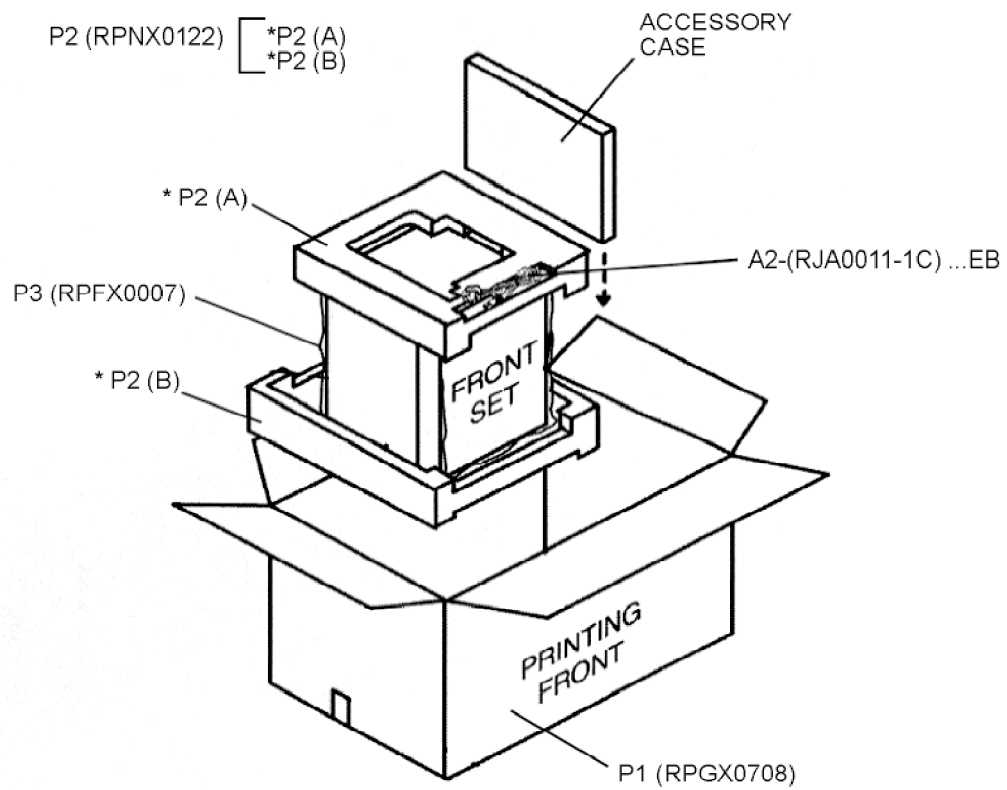
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C1022	ECUV1H102KBV	1000P 50V	[M]
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C1027	ECUV1H102KBV	1000P 50V	[M]
C1030	ECEA1AKA101B	100 10V	[M]
C1031	ECEA1AKA101B	100 10V	[M]
C1032	ECFR1C183KR	0.018 16V	[M]
C1033	ECFR1C183KR	0.018 16V	[M]
C1034	ECEA1HKA3R3B	3.3 50V	[M]
C1035	ECEA1HKA3R3B	3.3 50V	[M]
C1036	ECUV1C333KBV	0.033 16V	[M]
C1037	ECEA1HKA3R3B	3.3 50V	[M]
C1038	ECUV1H221KBV	220P 50V	[M]
C1039	ECUV1H221KBV	220P 50V	[M]
C1040	ECEA1CKA100B	10 16V	[M]
C1041	ECEA1CKA100B	10 16V	[M]
C1042	ECEA1CKA220B	22 16V	[M]
C1043	ECEA1HKA4R7B	4.7 50V	[M]
C1044	ECEA1AKA330B	33 10V	[M]
C1045	ECEA1AKA220B	22 10V	[M]
C1046	ECEA1AKA221Q	220 10V	[M]
C1047	ECEA1HKA010B	1 50V	[M]
C1048	ECEA1HKA010B	1 50V	[M]
C1049	ECUV1H102KBV	1000P 50V	[M]
C1050	ECUV1H102KBV	1000P 50V	[M]
C1051	ECEA1HKA010B	1 50V	[M]
C1052	ECEA1HKA010B	1 50V	[M]
C1053	ECEA1CM221B	220 16V	[M]
C1054	ECEA1HKA3R3B	3.3 50V	[M]
C1055	ECEA1HKA0R1B	0.1 50V	[M]
C1056	ECUV1H103KBV	0.01 50V	[M]
C1057	ECEA1HKA3R3B	3.3 50V	[M]
C1058	ECUV1H470JCV	47P 50V	[M]
C1059	ECUV1H101KBV	100P 50V	[M]
C1060	ECUV1H472KBV	4700P 50V	[M]
C1061	ECUV1H101KBV	100P 50V	[M]
C1062	ECUV1C104ZFV	0.1 16V	[M]
C1063	ECUV1C104ZFV	0.1 16V	[M]
C1064	ECEA1HKA3R3B	3.3 50V	[M]
C1065	ECUV1H103ZFV	0.01 50V	[M]
		CHIP JUMPER	
RJ701	ERJ6GEY0R00V	0 1/10W	[M]
RJ702	ERJ6GEY0R00V	0 1/10W	[M]
RJ704	ERJ6GEY0R00V	0 1/10W	[M]
RJ710	ERJ6GEY0R00V	0 1/10W	[M]
RJ712	ERJ6GEY0R00V	0 1/10W	[M]
RJ713	ERJ6GEY0R00V	0 1/10W	[M]
RJ714	ERJ6GEY0R00V	0 1/10W	[M]
RJ721	ERJ3GEY0R00V	0 1/16W	[M]
RJ722	ERJ3GEY0R00V	0 1/16W	[M]
RJ723	ERJ3GEY0R00V	0 1/16W	[M]
RJ724	ERJ3GEY0R00V	0 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
RJ725	ERJ3GEY0R00V	0 1/16W	[M]
RJ726	ERJ3GEY0R00V	0 1/16W	[M]
RJ727	ERJ3GEY0R00V	0 1/16W	[M]
RJ728	ERJ3GEY0R00V	0 1/16W	[M]
RJ729	ERJ3GEY0R00V	0 1/16W	[M]
RJ730	ERJ3GEY0R00V	0 1/16W	[M]
RJ731	ERJ3GEY0R00V	0 1/16W	[M]
RJ732	ERJ3GEY0R00V	0 1/16W	[M]
RJ733	ERJ3GEY0R00V	0 1/16W	[M]
RJ734	ERJ3GEY0R00V	0 1/16W	[M]
RJ735	ERJ3GEY0R00V	0 1/16W	[M]
RJ736	ERJ3GEY0R00V	0 1/16W	[M]
RJ737	ERJ3GEY0R00V	0 1/16W	[M]
RJ738	ERJ3GEY0R00V	0 1/16W	[M]
RJ739	ERJ3GEY0R00V	0 1/16W	[M]
RJ740	ERJ3GEY0R00V	0 1/16W	[M]
RJ741	ERJ3GEY0R00V	0 1/16W	[M]
RJ742	ERJ3GEY0R00V	0 1/16W	[M]
		TEST JUMPER	
TJ701	EYF8CU	TEST JUMPER	[M]

20.5. Packing Materials & Accessories Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPGX0708	PACKING CASE	
P2	RPNX0123	POLYFOAM	
P3	RPFX0007	MIRAMAT BAG	[M]
		ACCESSORIES	
A1	N2QAGB000001	REMOTE CONTROLLER	
A1-1	R0280-720010	R/C BATTERY COVER	
A2	RJA0043-1C	AC CORD	EG E 
A2	RJA0044-1C	AC CORD	EB 
A3	RQT5662-E	O/I BOOK	E
A3	RQT5663-R	O/I BOOK	E
A3	RQT5664-D	O/I BOOK	EG
A3	RQT5665-H	O/I BOOK	EG
A3	RQT5666-B1	O/I BOOK	EB E
A4	RSA0007	FM ANTENA	[M]
A5	RSA0029	AM LOOP ANT	[M]

20.6. Packaging



Printed in Singapore / P010400001 D/H/K/J/N/L/PRT

A B C D E F G

1

G CD LOADING P.C.B (REP2578A-N)

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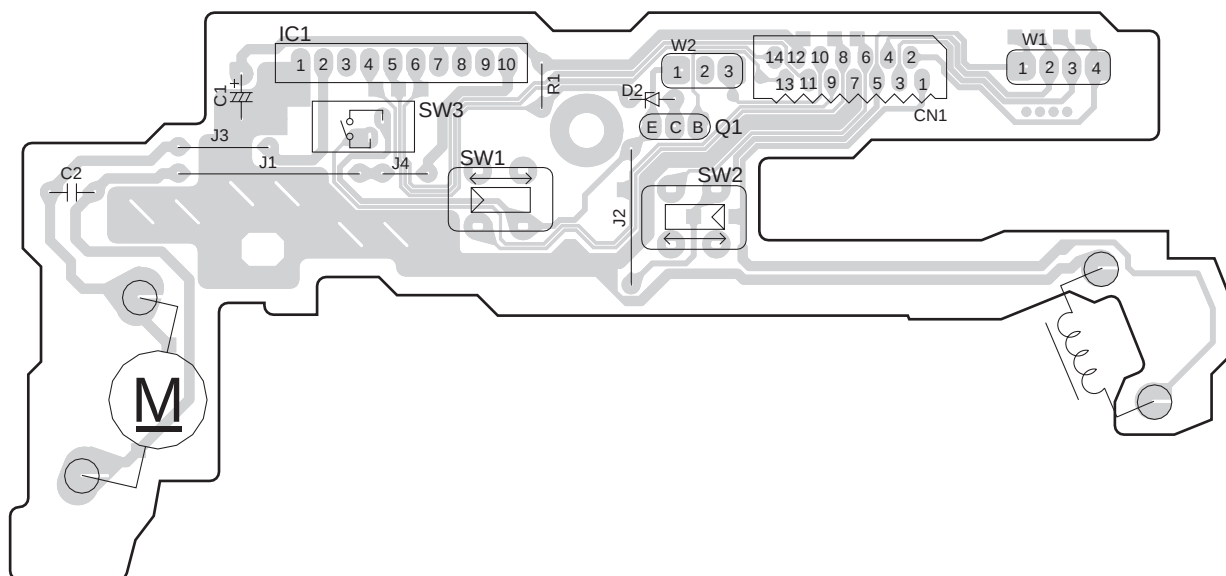
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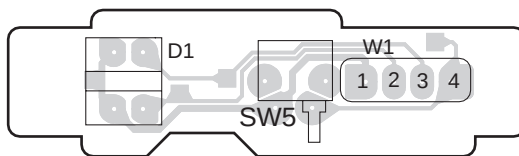
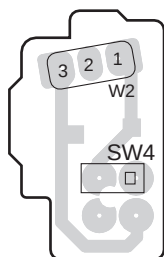
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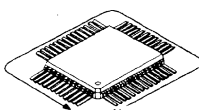
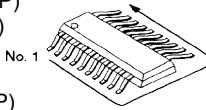
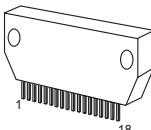
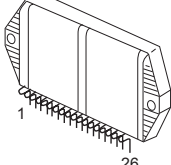
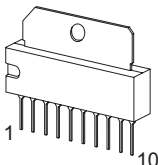
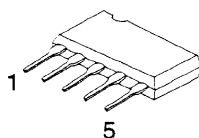
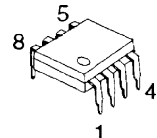
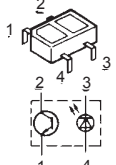
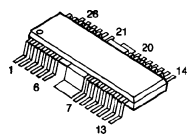
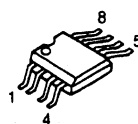
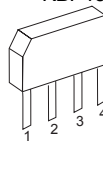
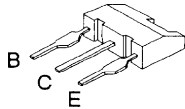
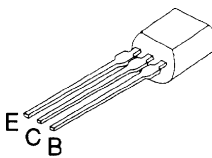
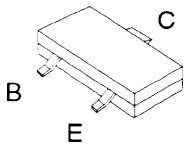
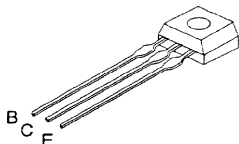
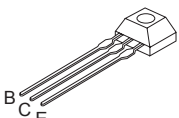
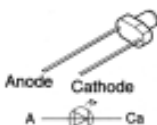
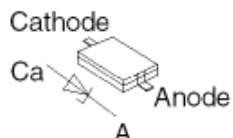
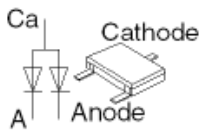
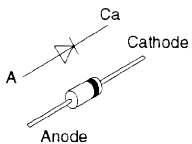
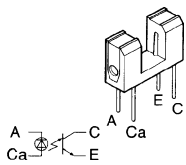
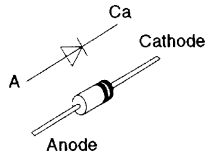
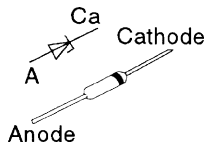
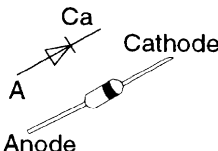
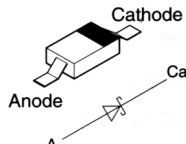
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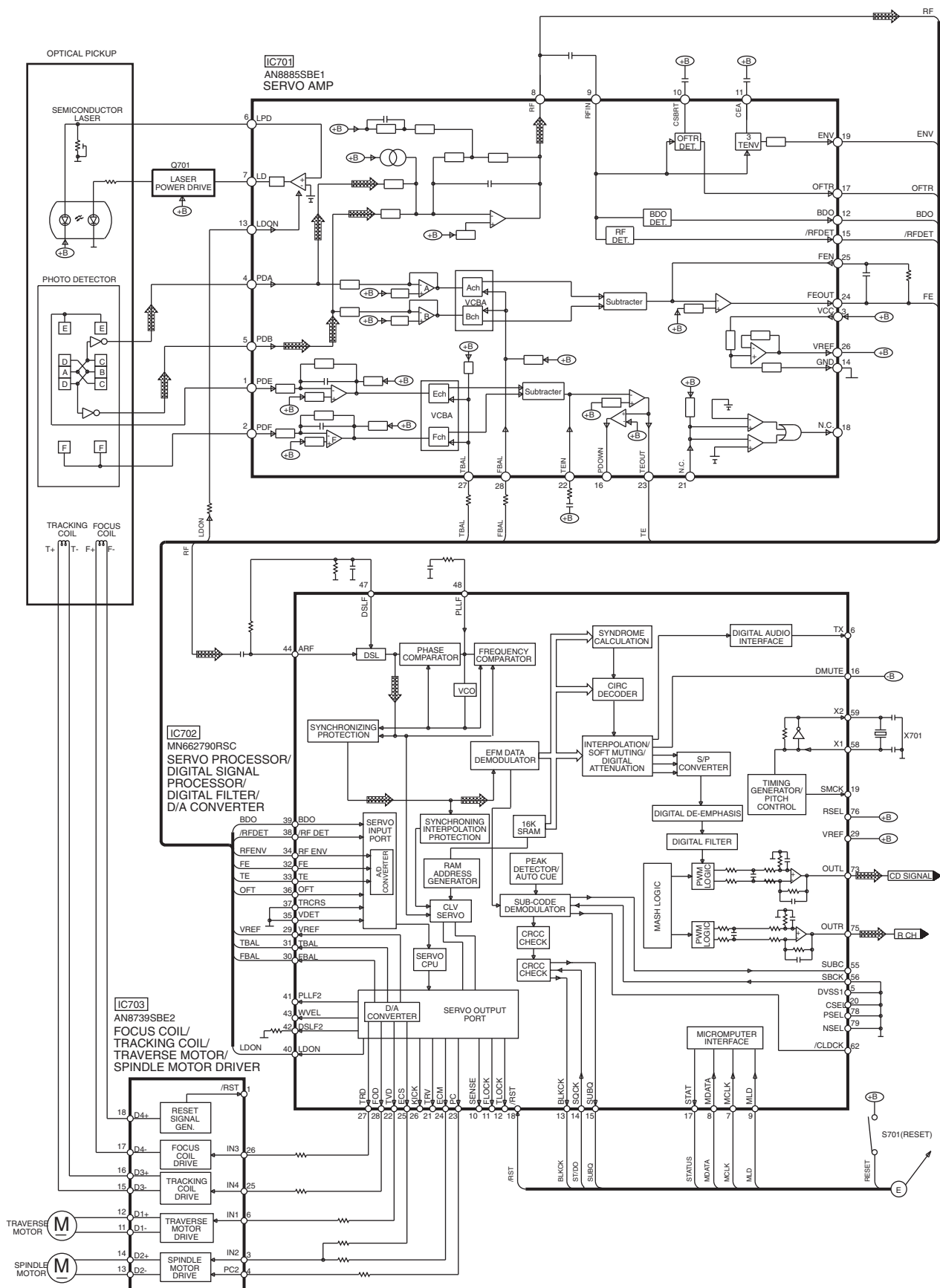


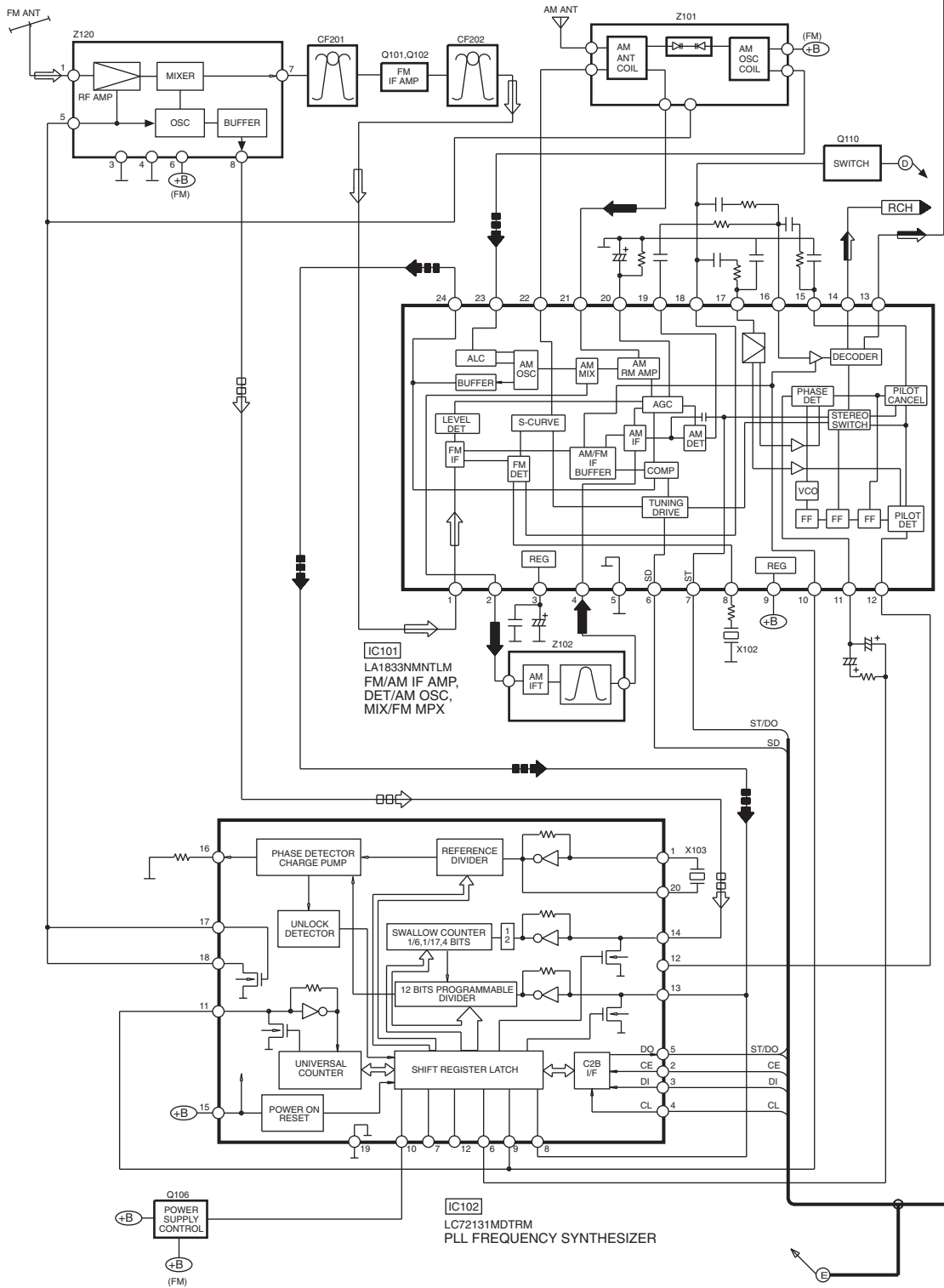
I CD DETACT P.C.B (REP2578A-N)

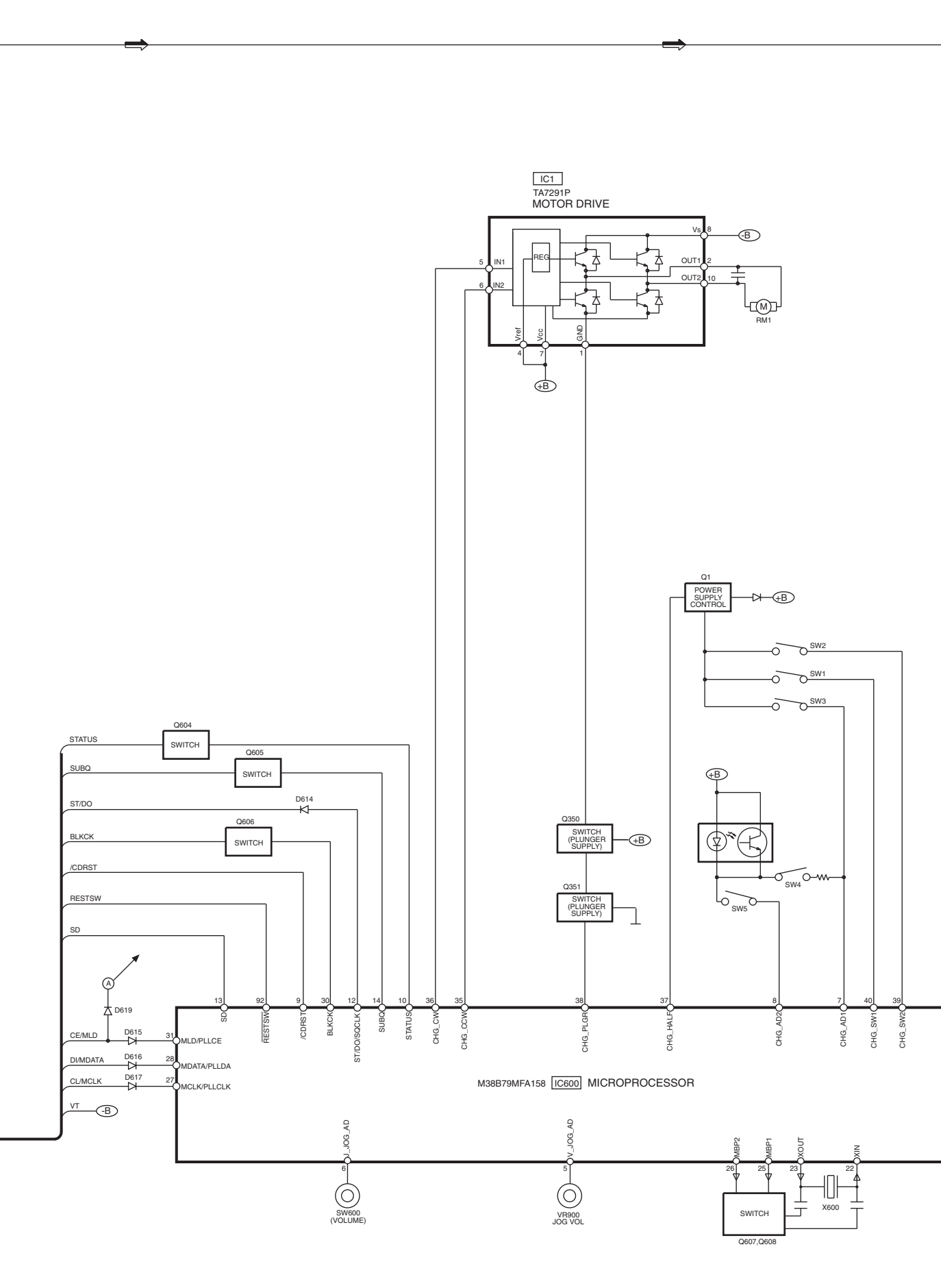
H SPINDLE POSITION P.C.B (REP2578A-N)

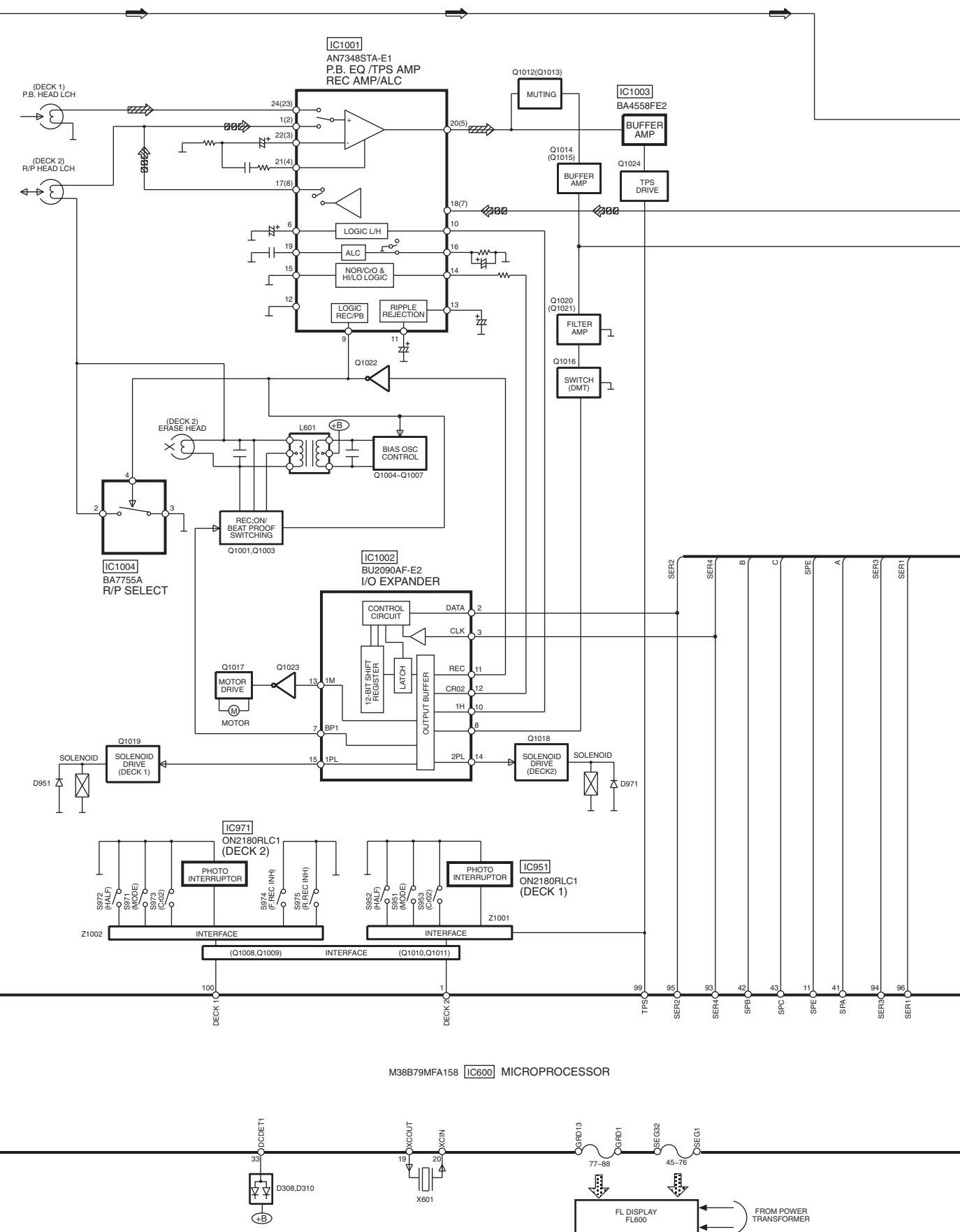


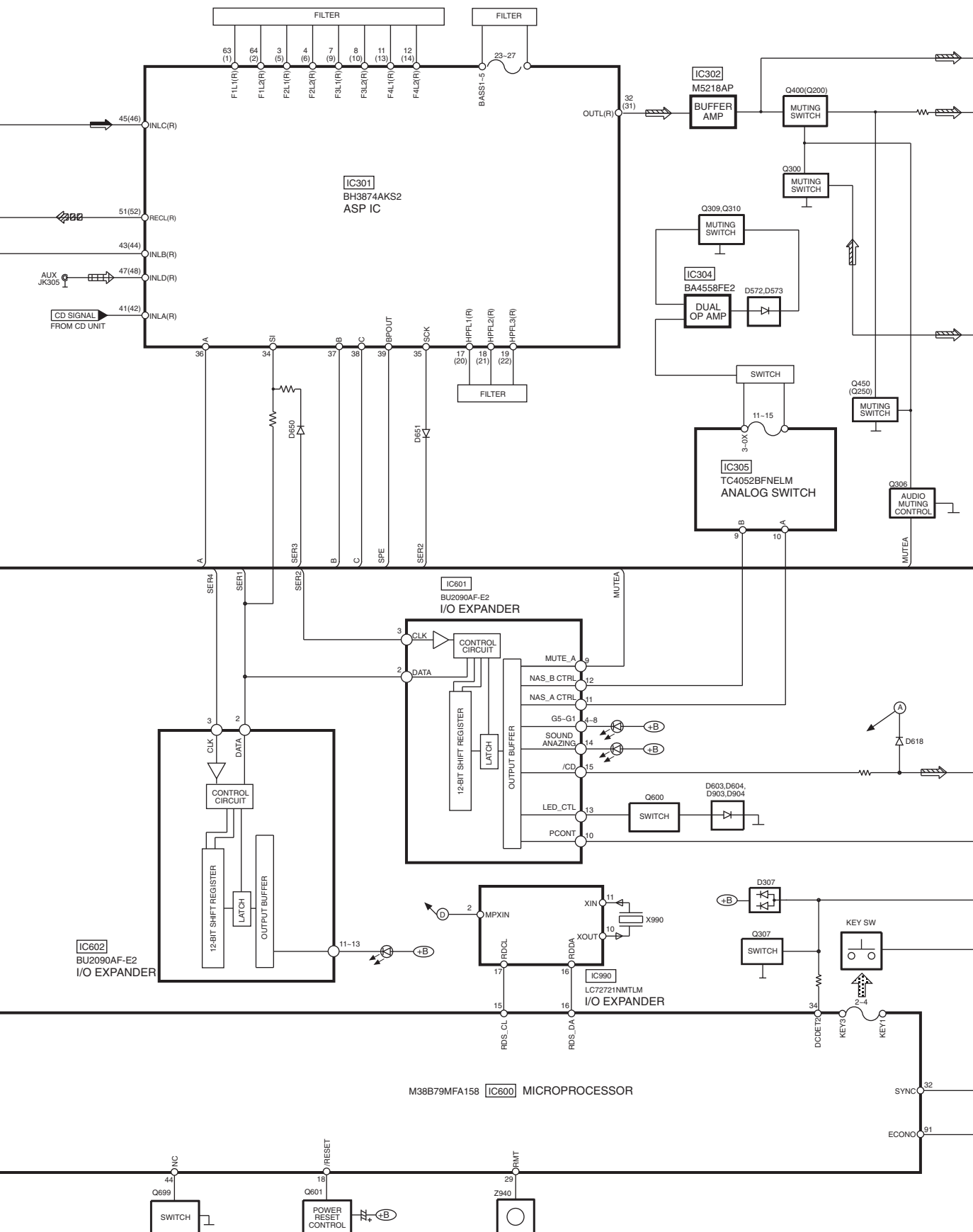
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BA7755A 	M5218AP 93LC46B 	ON2180RLC1 	AN8739SBE2 	KIA4558FEL 	2SC2058SPTA 
KBP152G4R5 	2SD1859QRTV2 2SB1238QRTV2 	KTA12710YTA KTD1146YTA 2SB621ARSTA KRC101MTA KTA1504GRTA 	2SA1037AKSTX 2SC2412KT96R KTC3875GRTA KRC111STA KTD1304TA KRC102STA KRA102STA 		
2SA933SSTA 2SD2144STA KTC3199GRTA RVTDTCT143EST 	KRA102MTA KRC103MTA KRC102MTA 		SLI325URCT31 SLR325DCT31 SLR325MCT31W 	MA8300MTX 1SS355TE17 UDZSTE175R1B UDZSTE177R5B UDZTE173R6B 	
DAP202KT146 	1T3T RL1N4003S-P 1N5402BM21 	GP1S94 	RK306LFU1 	MA4020LTA MTZJ5R1BTA MTZJ6R8BTA MTZJ4R7BTA MTZJ20BTA MTZJ24DTA 	
RVD1SS133TA 1SS291TA MA165TA MA700ATA MA723TA 	MA728TX 				



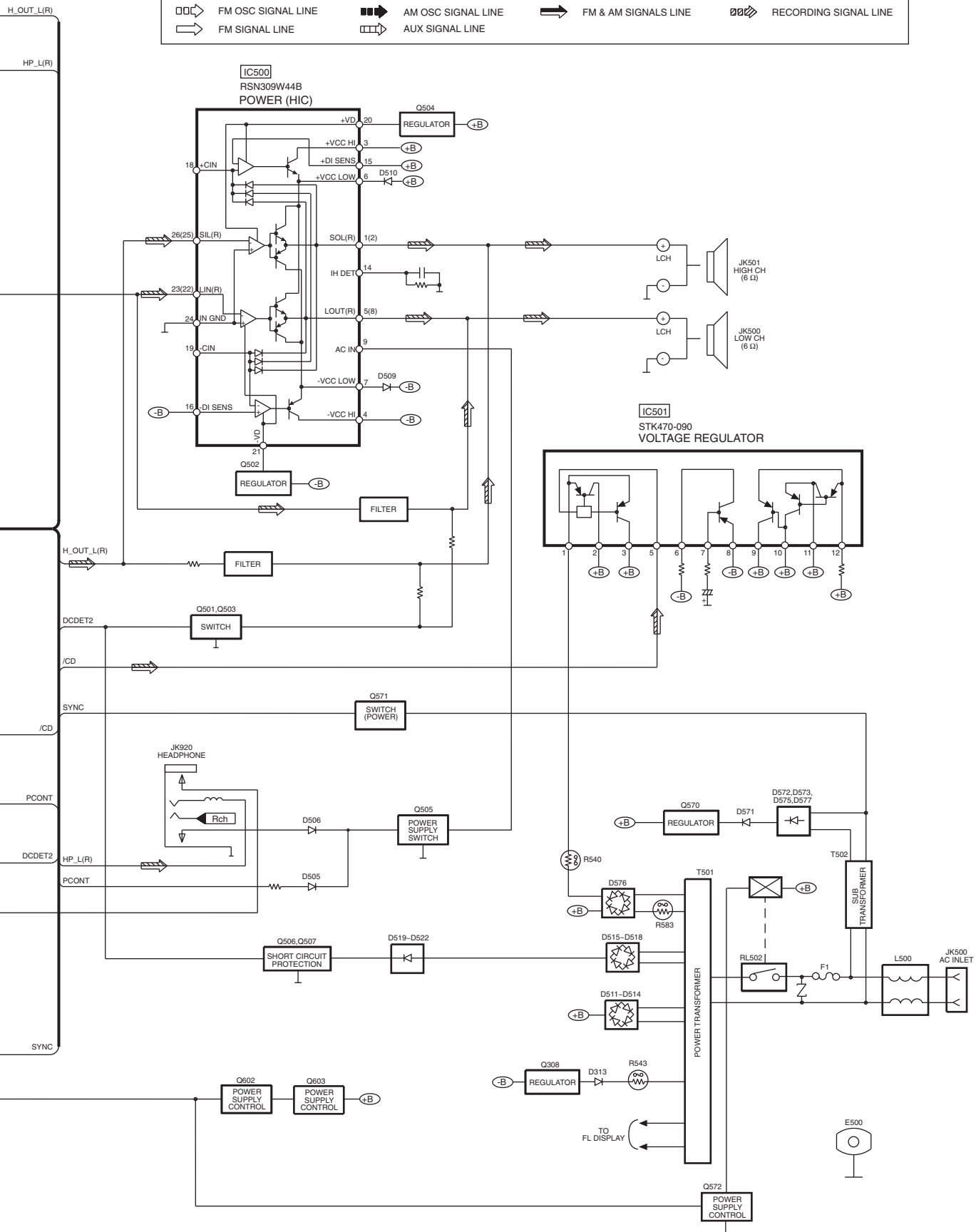




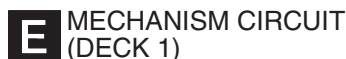
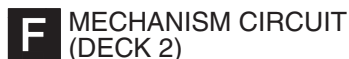




	MAIN SIGNAL LINE		CD SIGNAL LINE		AM SIGNAL LINE		PLAYBACK SIGNAL LINE
	FM OSC SIGNAL LINE		AM OSC SIGNAL LINE		FM & AM SIGNALS LINE		RECORDING SIGNAL LINE
	FM SIGNAL LINE		AUX SIGNAL LINE				



— : +B SIGNAL LINE : PLAYBACK SIGNAL LINE
 - - : -B SIGNAL LINE : RECORD SIGNAL LINE



SCHEMATIC DIAGRAM - 10

— : +B SIGNAL LINE

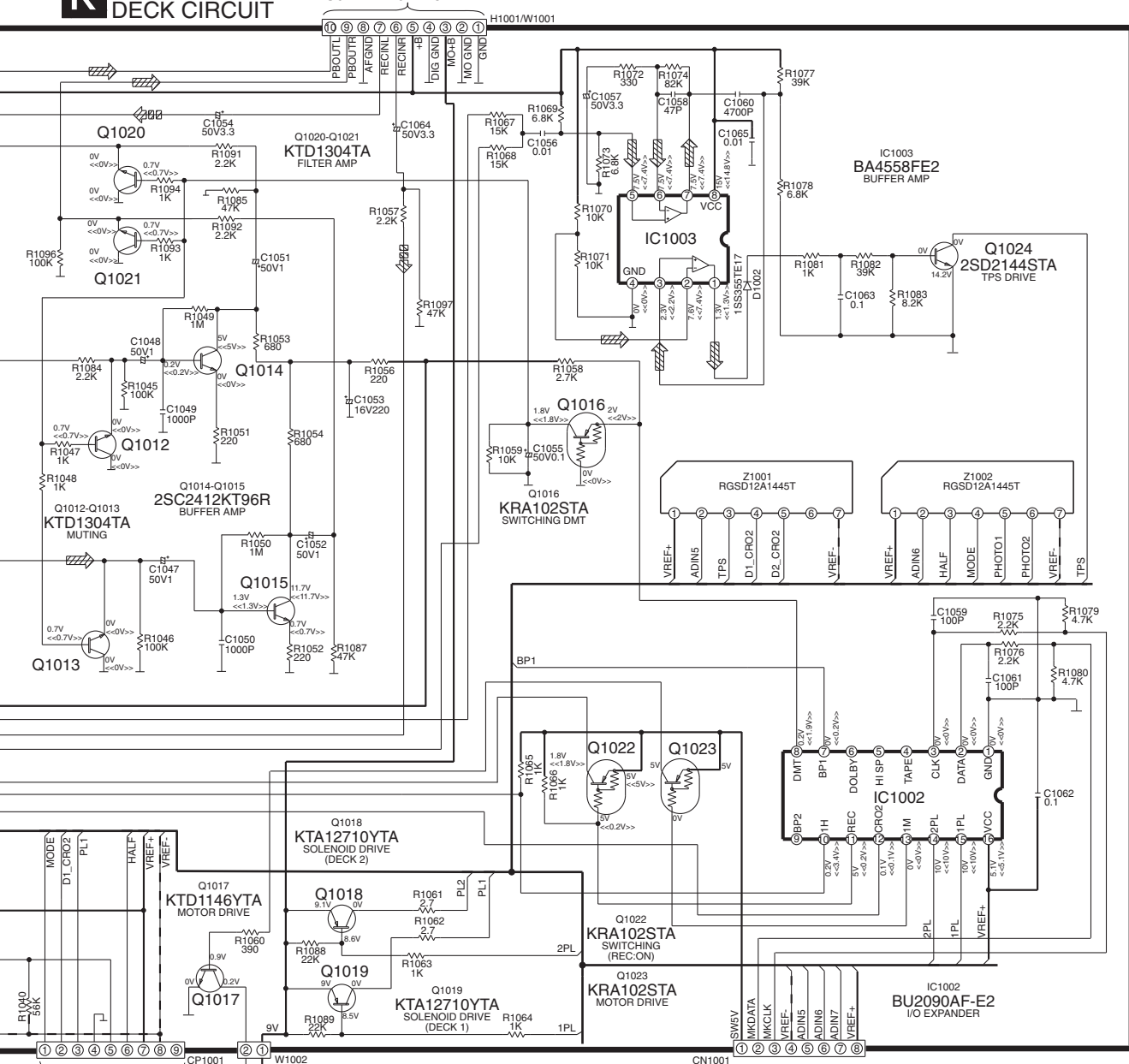
- - : -B SIGNAL LINE

▨ : PLAYBACK SIGNAL LINE

▨ : RECORD SIGNAL LINE

K DECK CIRCUIT

TO **B**
MAIN CIRCUIT (CN304) ON
SCHEMATIC DIAGRAM-4

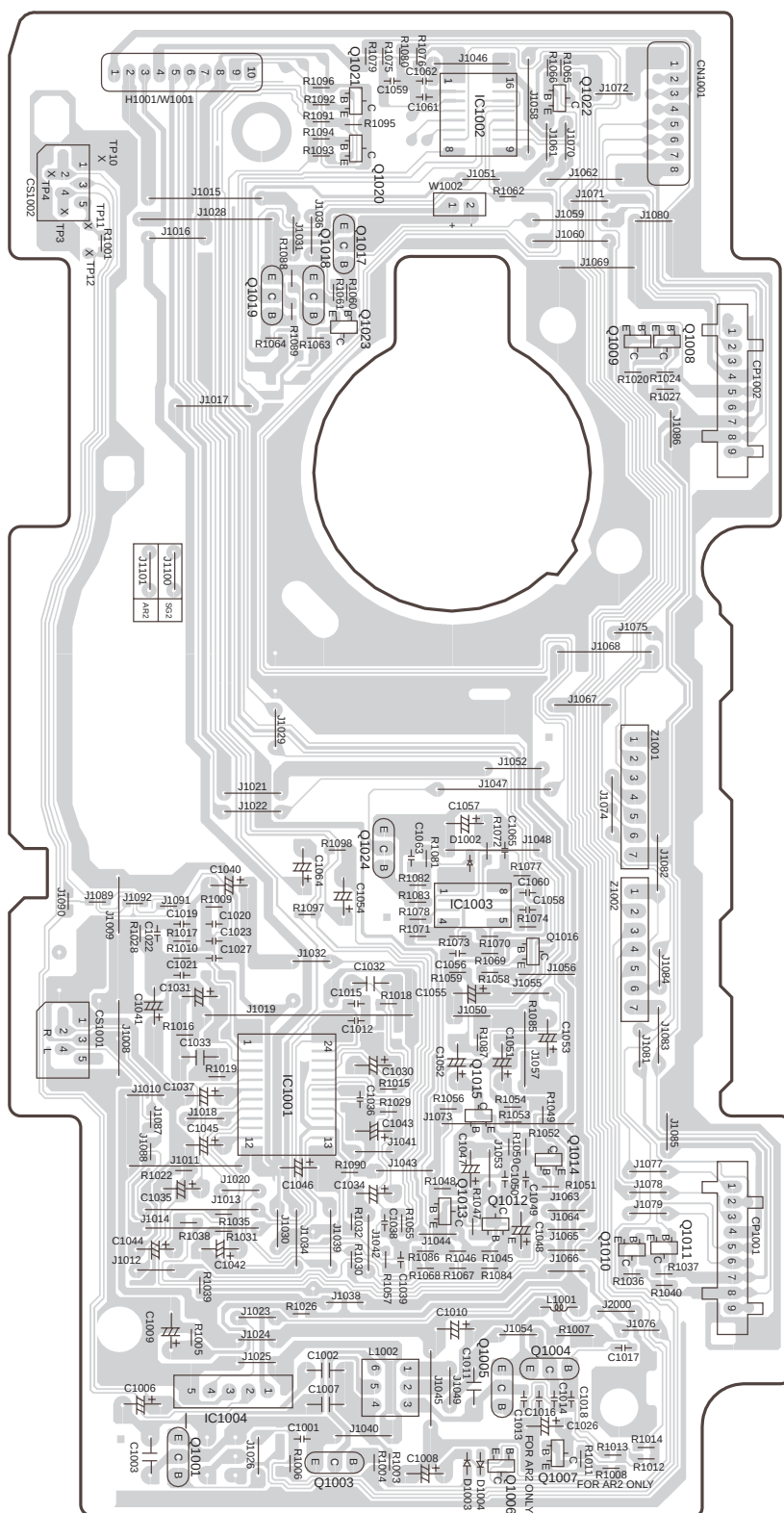


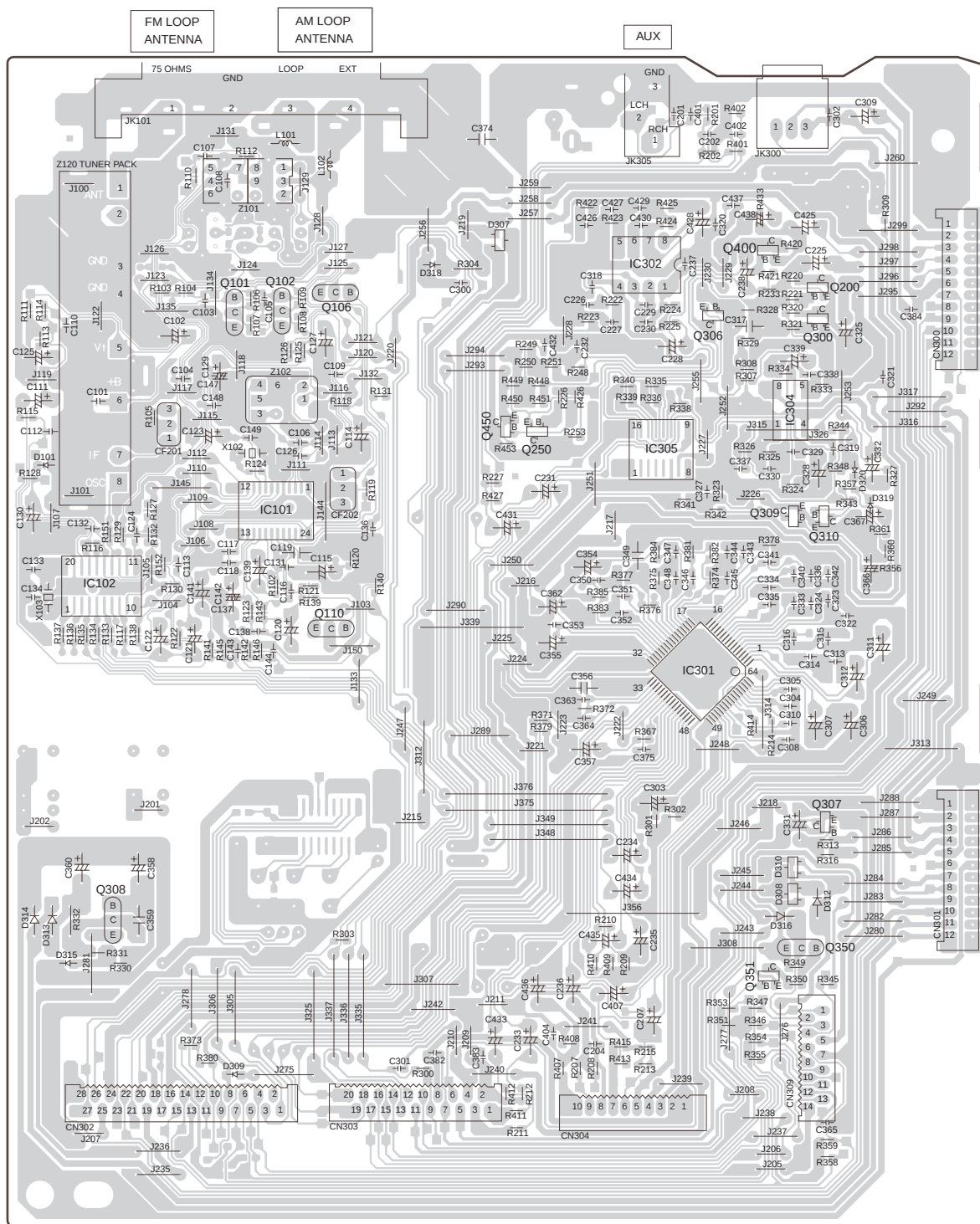
TO **E**
MECHANISM
CIRCUIT (CS951)
ON SCHEMATIC
DIAGRAM-9

TO **C**
PANEL
CIRCUIT
(H600) ON
SCHEMATIC
DIAGRAM-8

G

DECK P.C.B. (REPX0198B)





A

B

C

D

E

F

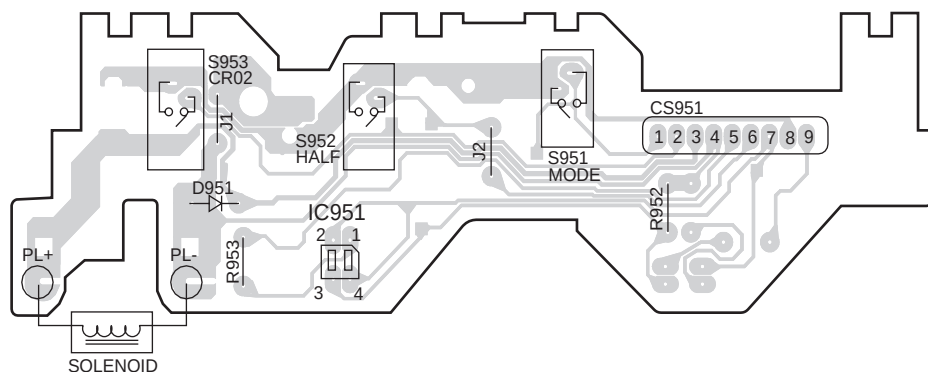
G

1

E MECHANISM (DECK1) P.C.B (REPX0108)

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4

F MECHANISM (DECK2) P.C.B (REPX0108A)

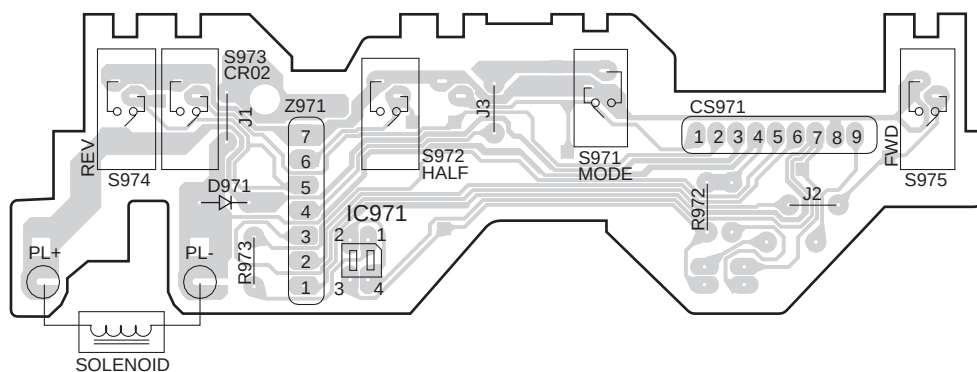
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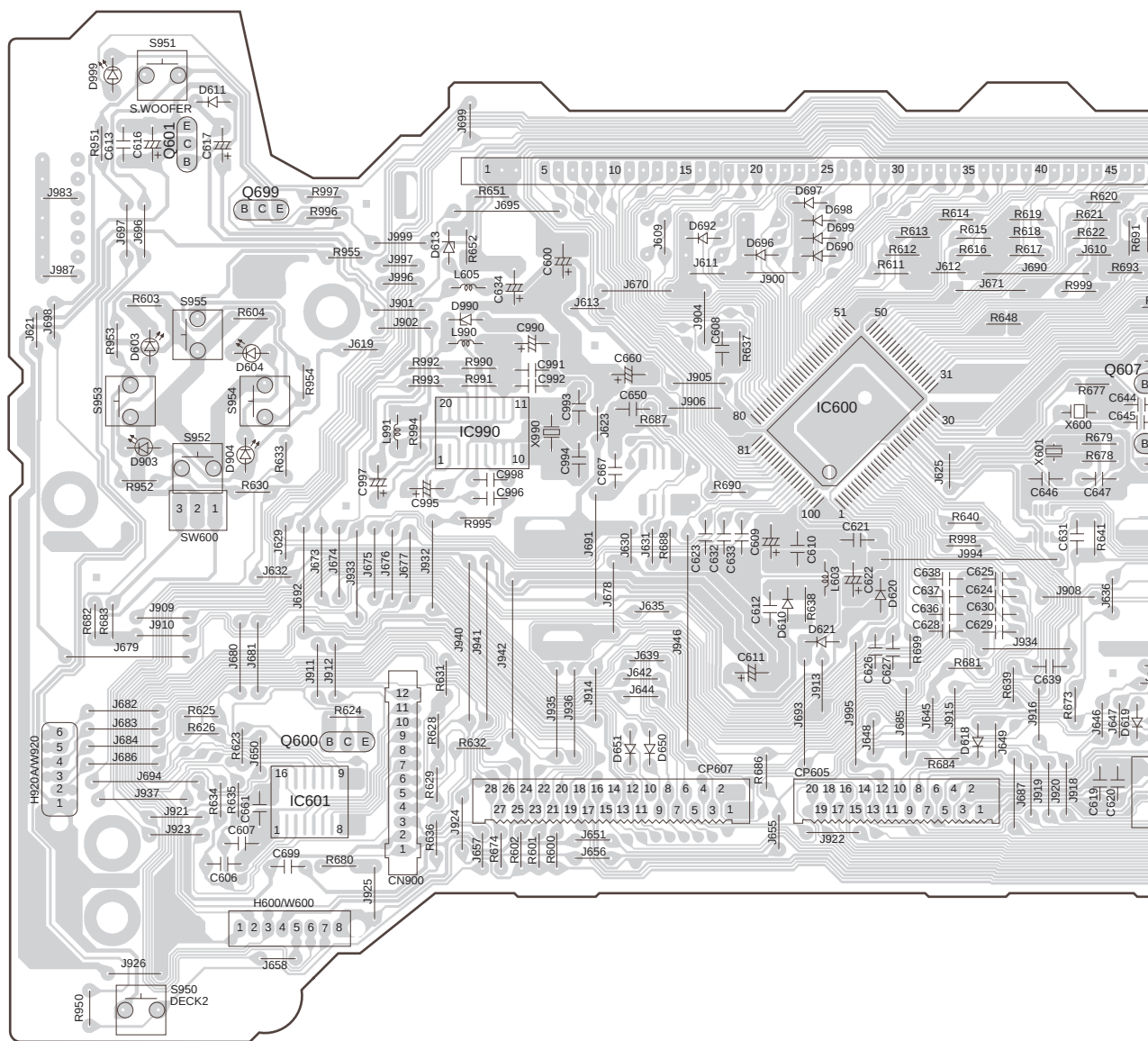
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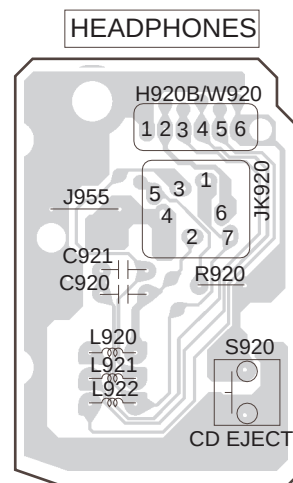
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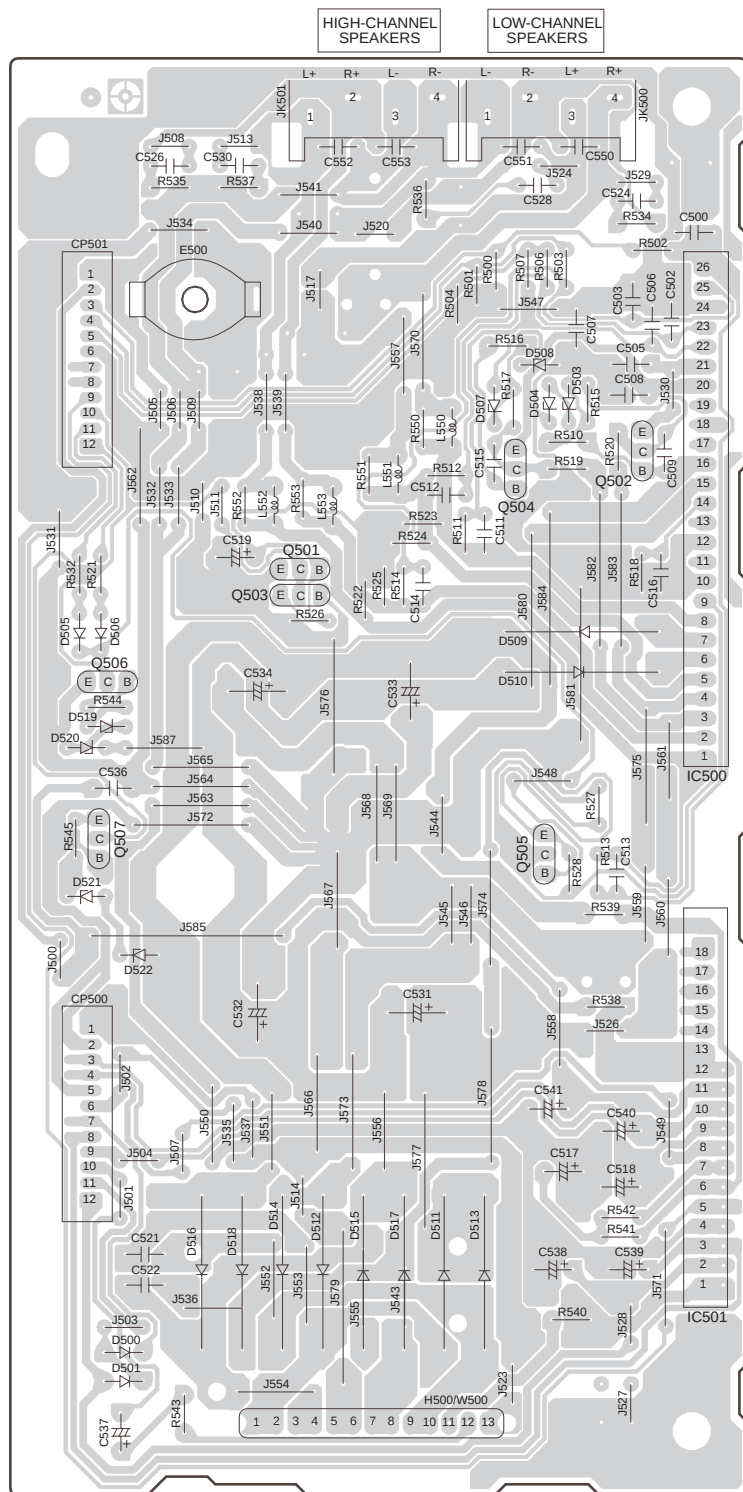
C PANEL P.C.B. (REPX0254A)





G

L



A

B

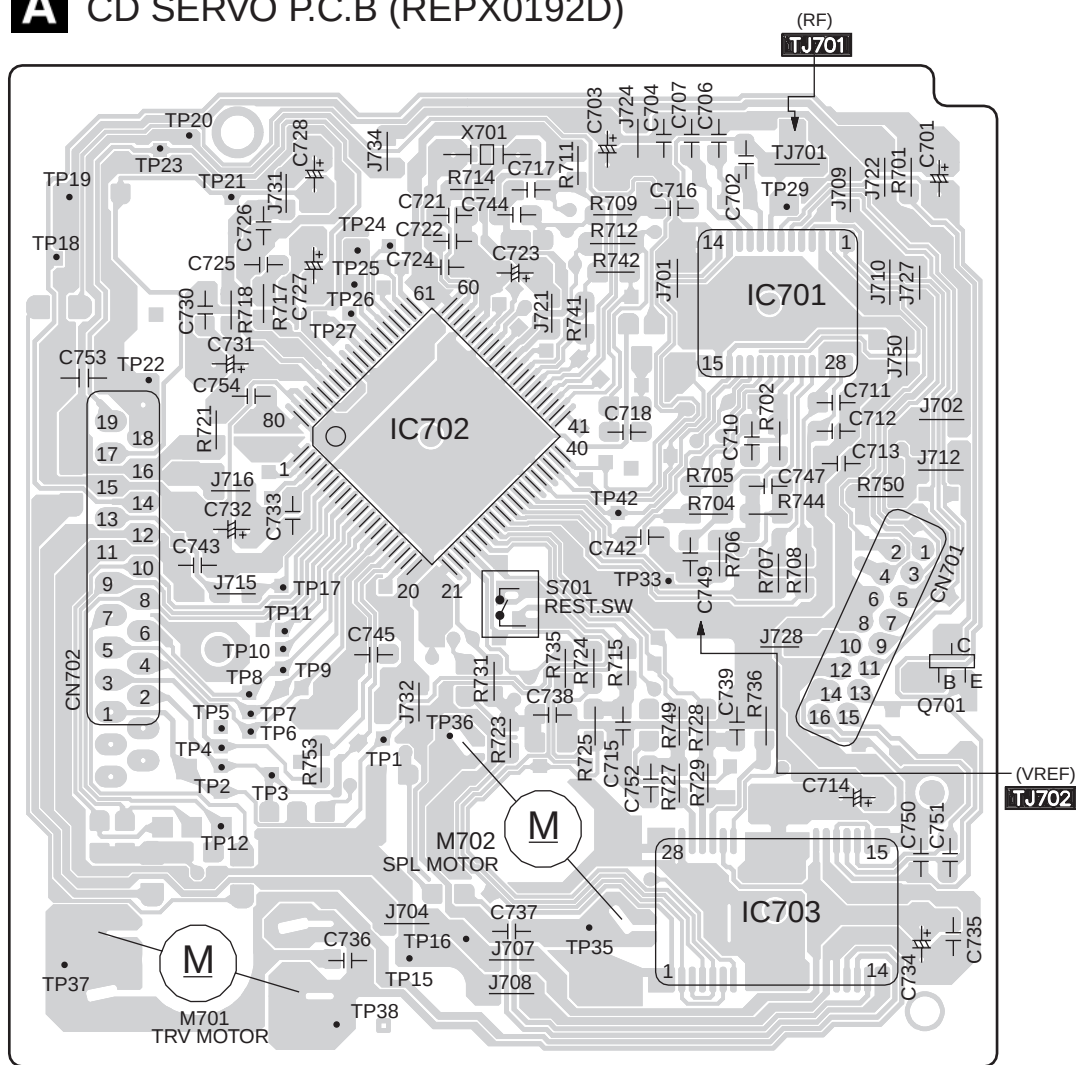
C

D

E

F

G

A**CD SERVO P.C.B (REPX0192D)**

A

B

C

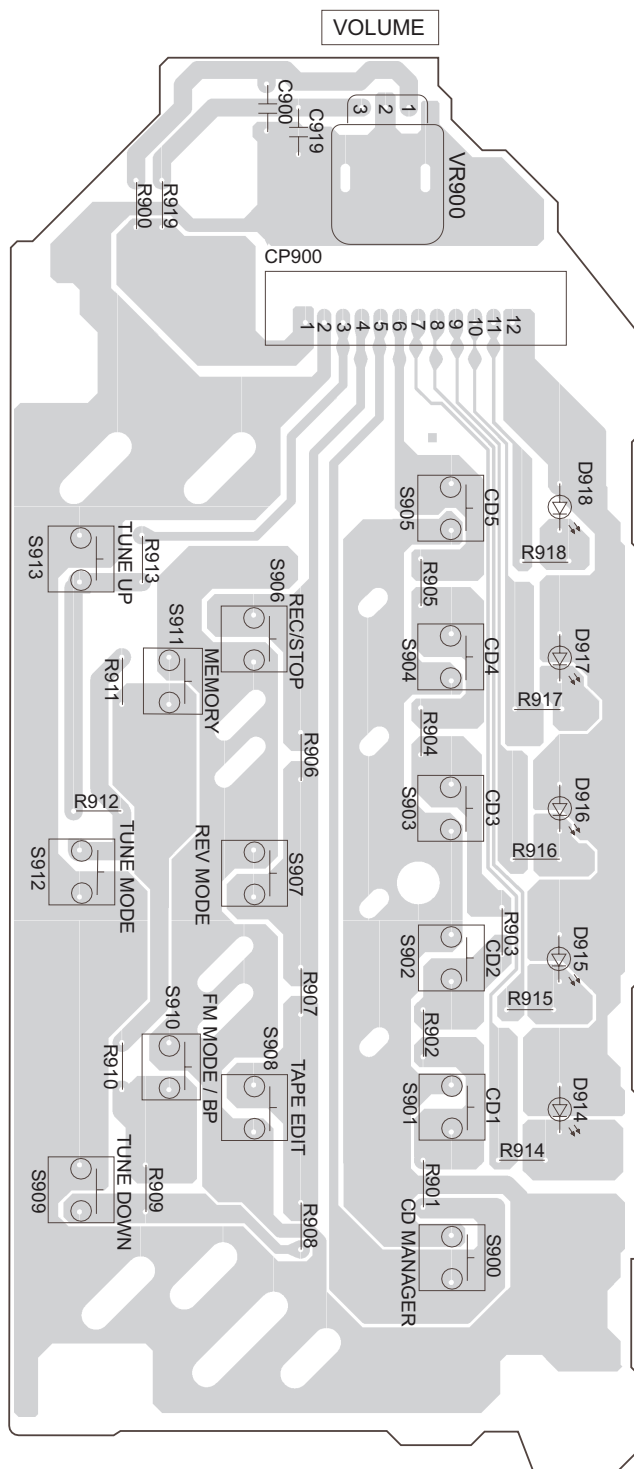
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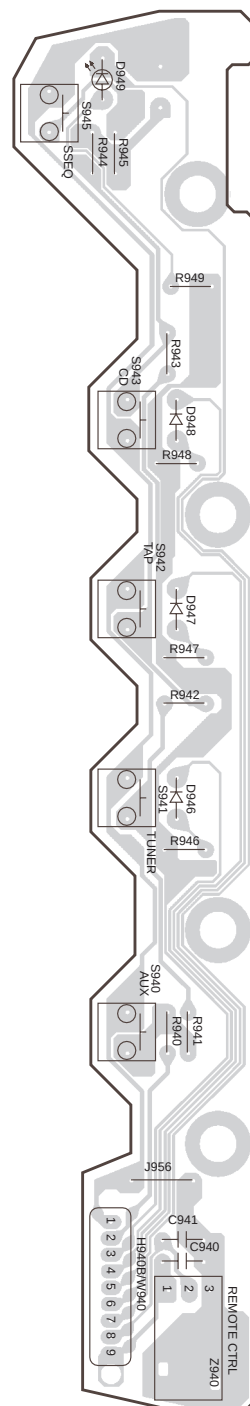
F

G

D TACT SWITCH (2) P.C.B. (REPX0254A)



P TACT SWITCH (1) P.C.B. (REPX0254A)



A

B

C

D

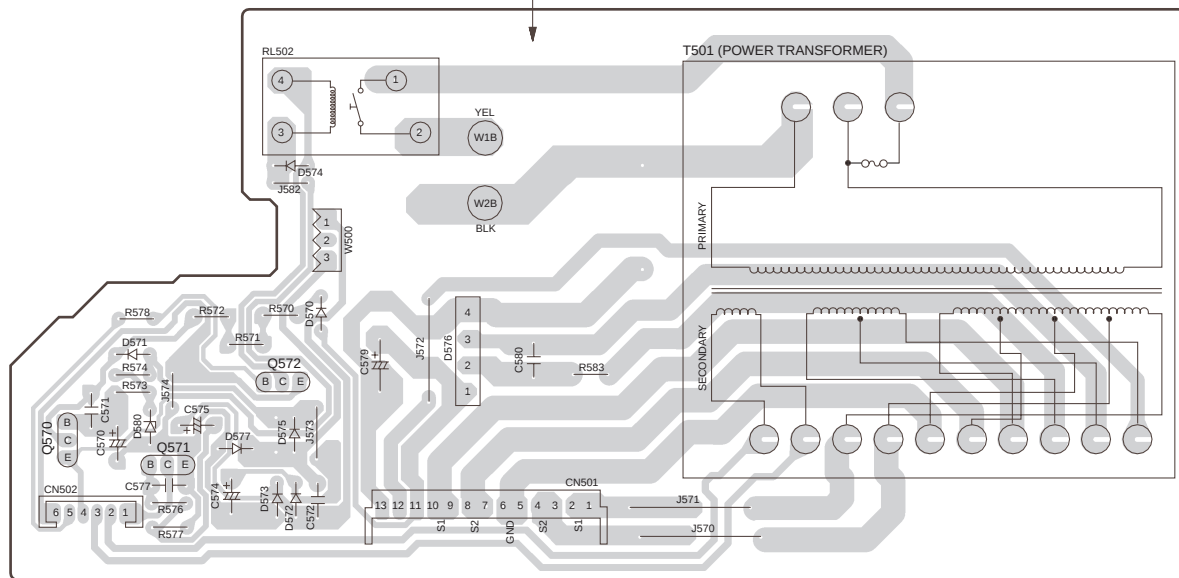
E

F

G

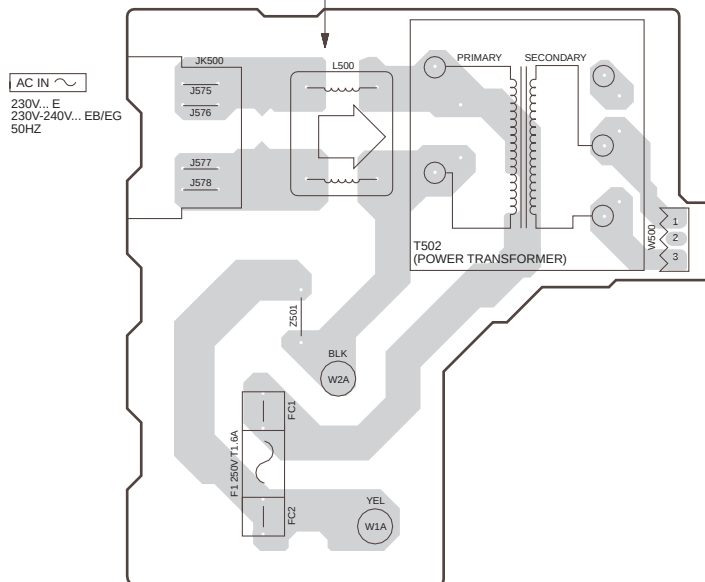
M AC TRANSFORMER P.C.B. (REPX0234D...E/EG) (REPX0234C...EB)

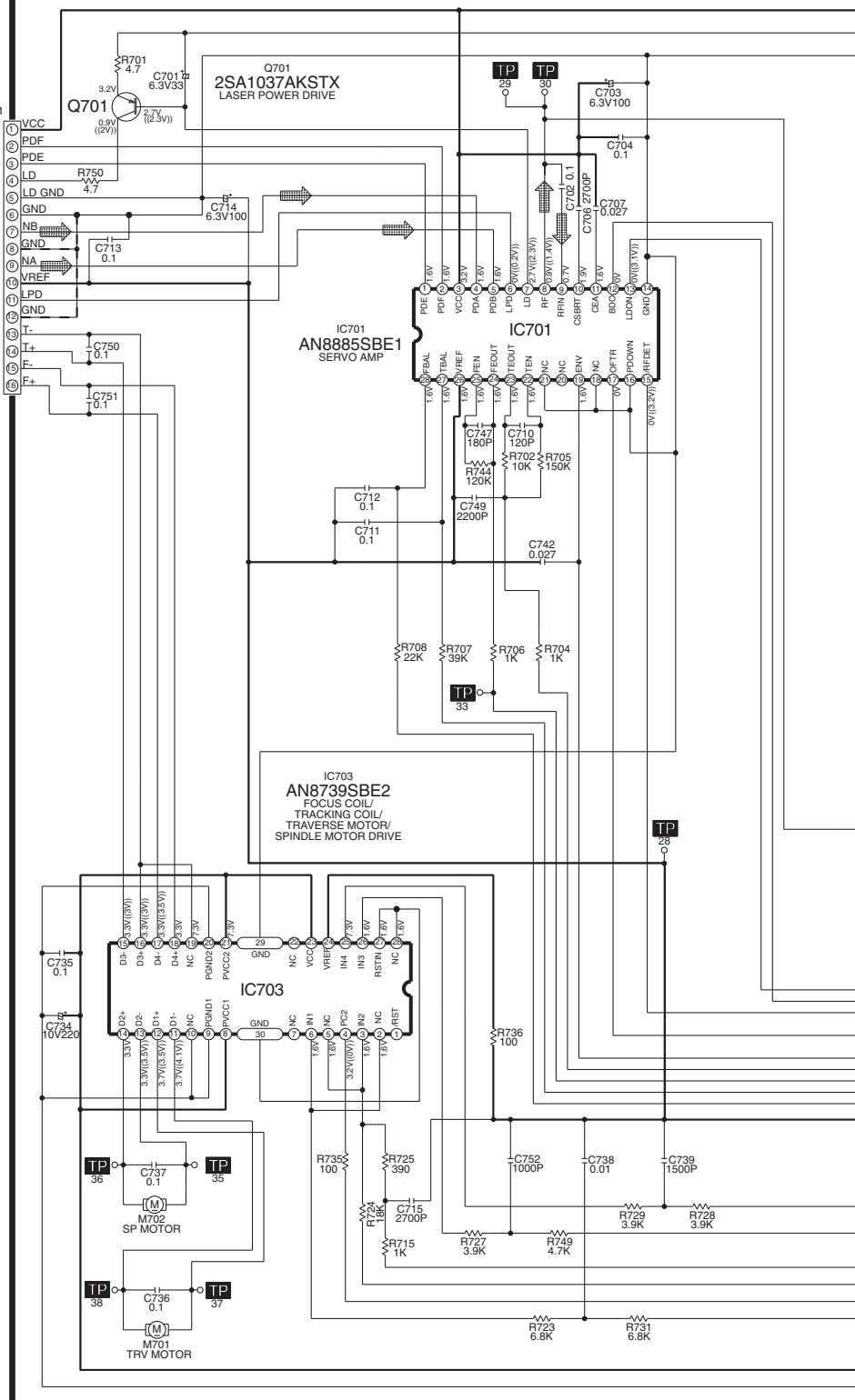
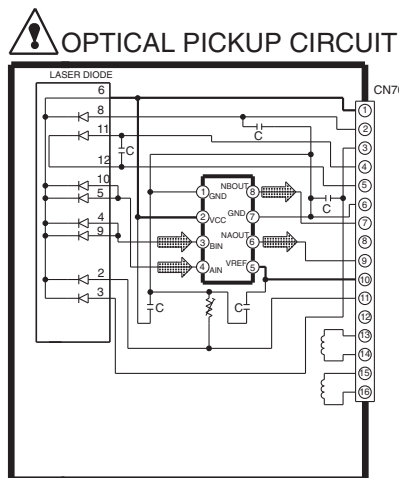
CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE. PLEASE DO NOT
TOUCH THIS P.C.B



N SUB-TRANSFORMER P.C.B. (REPX0234D...E/EG) (REPX0234C...EB)

CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE. PLEASE DO NOT
TOUCH THIS P.C.B



— : +B SIGNAL LINE  : CD SIGNAL LINE**A** CD SERVO CIRCUIT

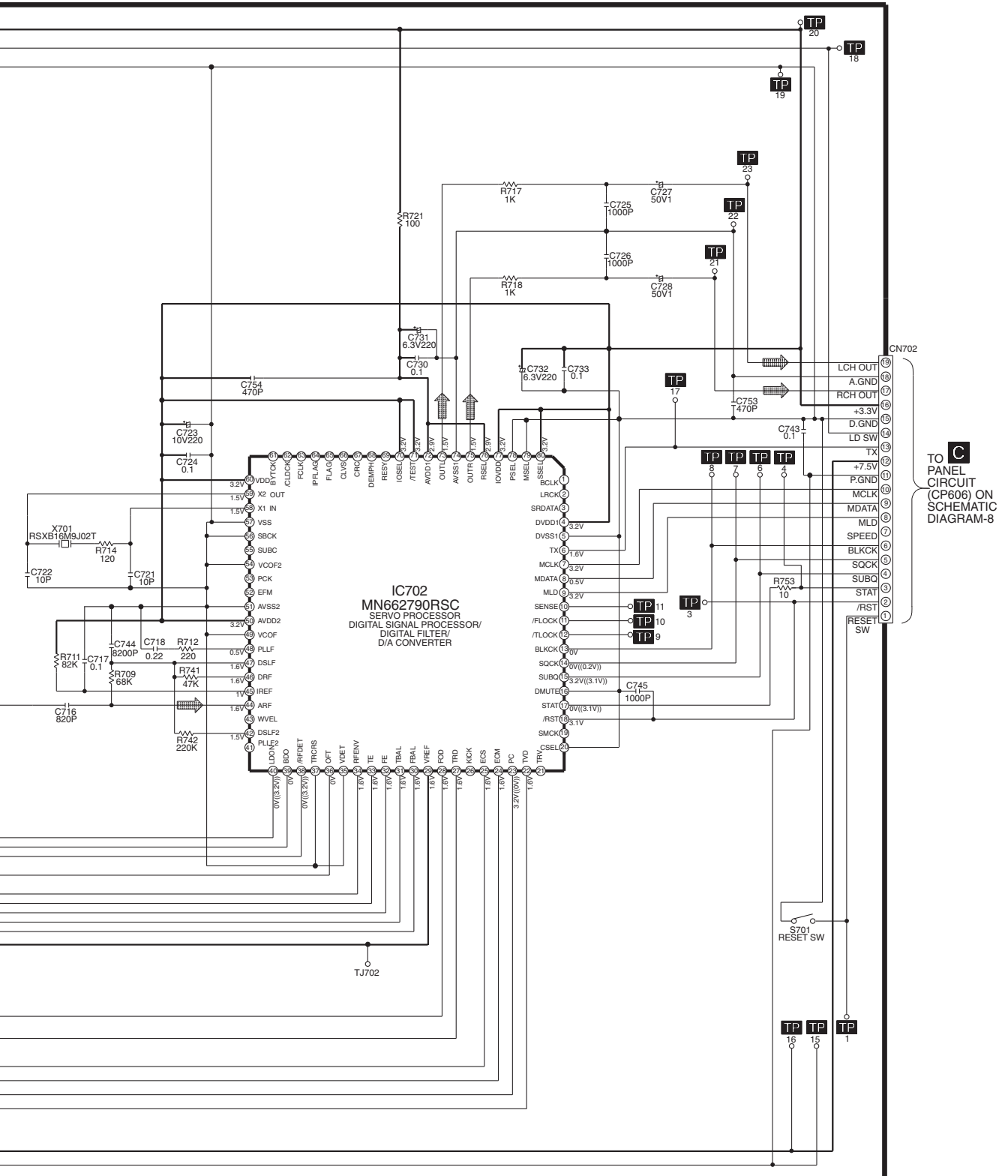
SCHEMATIC DIAGRAM - 2

— : +B SIGNAL LINE

▬ : CD SIGNAL LINE

A

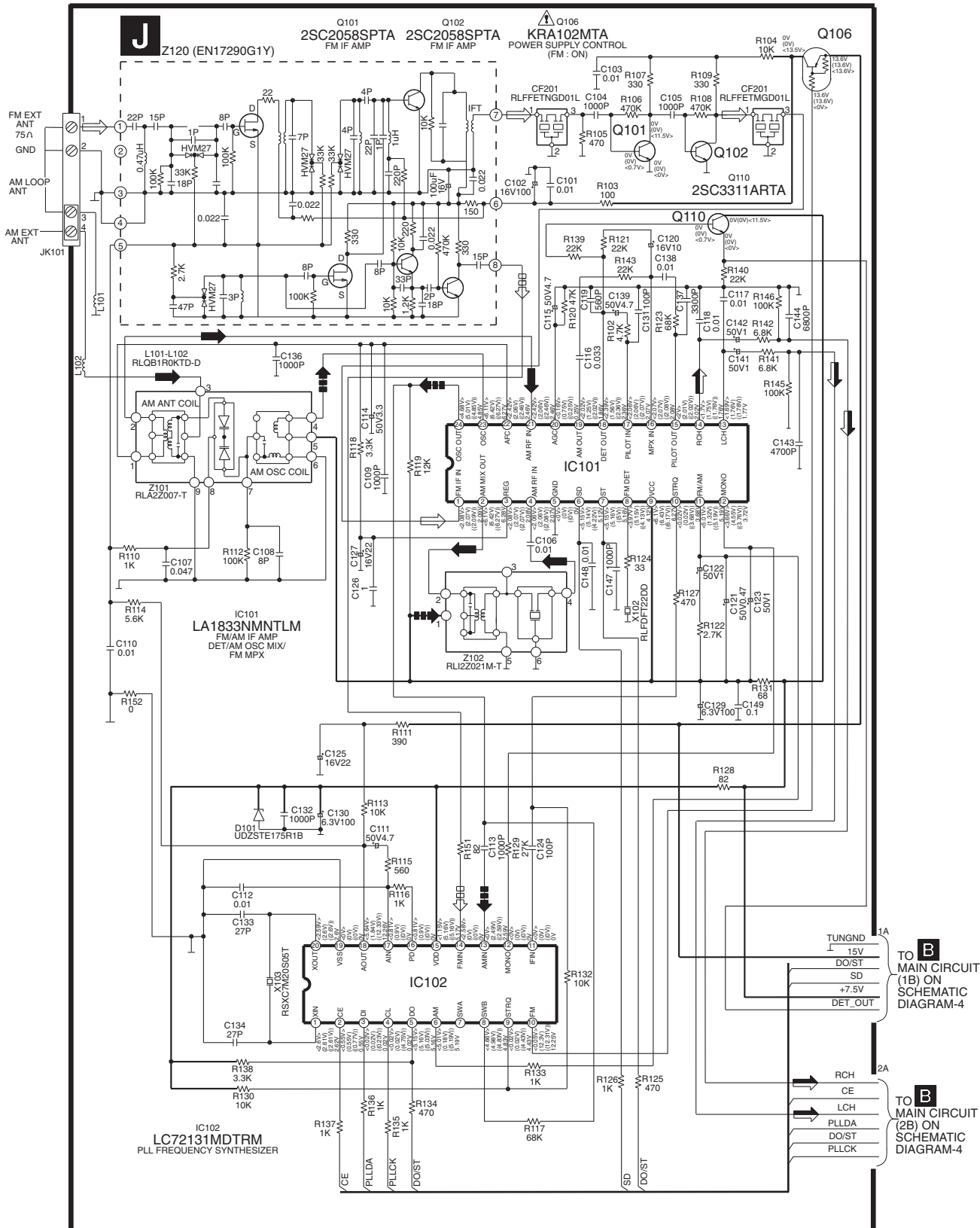
CD SERVO CIRCUIT



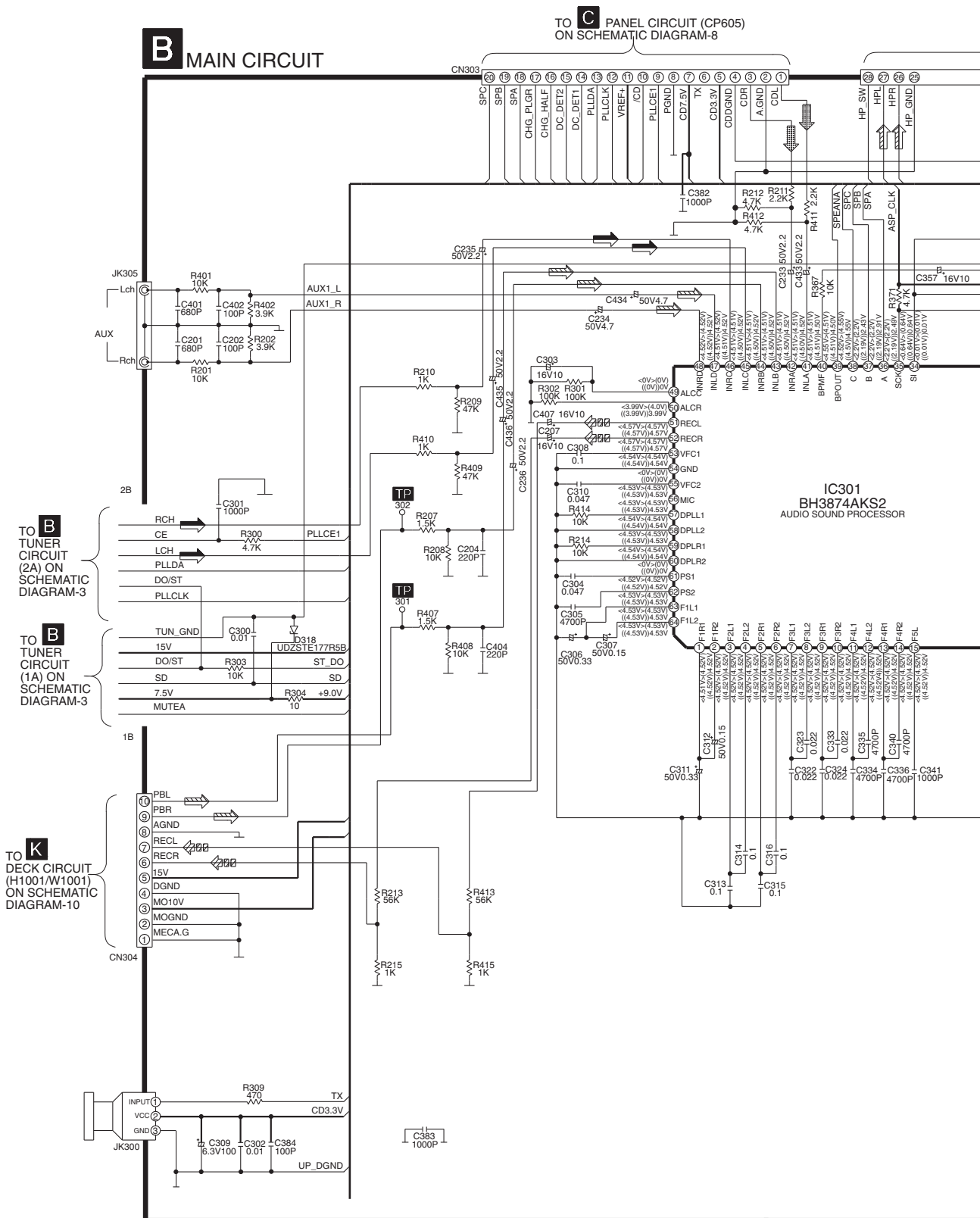
TO **C**
PANEL
CIRCUIT
(CP606) ON
SCHEMATIC
DIAGRAM-8

➡ : FM/AM SIGNAL LINE

TUNER CIRCUIT



 : +B SIGNAL LINE
 : MAIN SIGNAL LINE
 : FM/AM SIGNAL LINE
 : CD SIGNAL LINE
 : RECORD SIGNAL LINE



SCHEMATIC DIAGRAM - 5

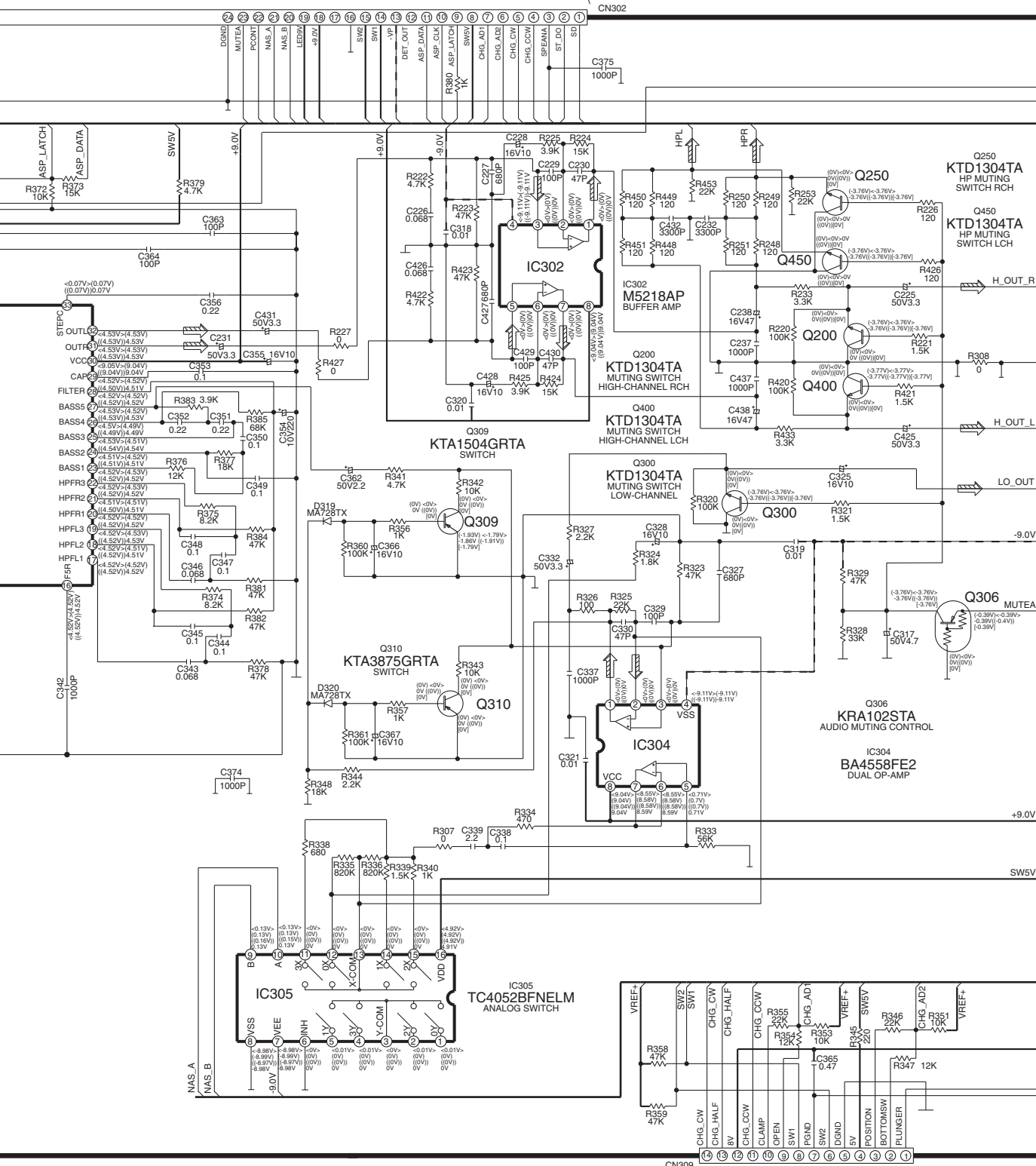
— : +B SIGNAL LINE

- - - : -B SIGNAL LINE

⇒ : MAIN SIGNAL LINE

B MAIN CIRCUIT

TO **C**
PANEL CIRCUIT
(CP607) ON SCHEMATIC
DIAGRAM-8

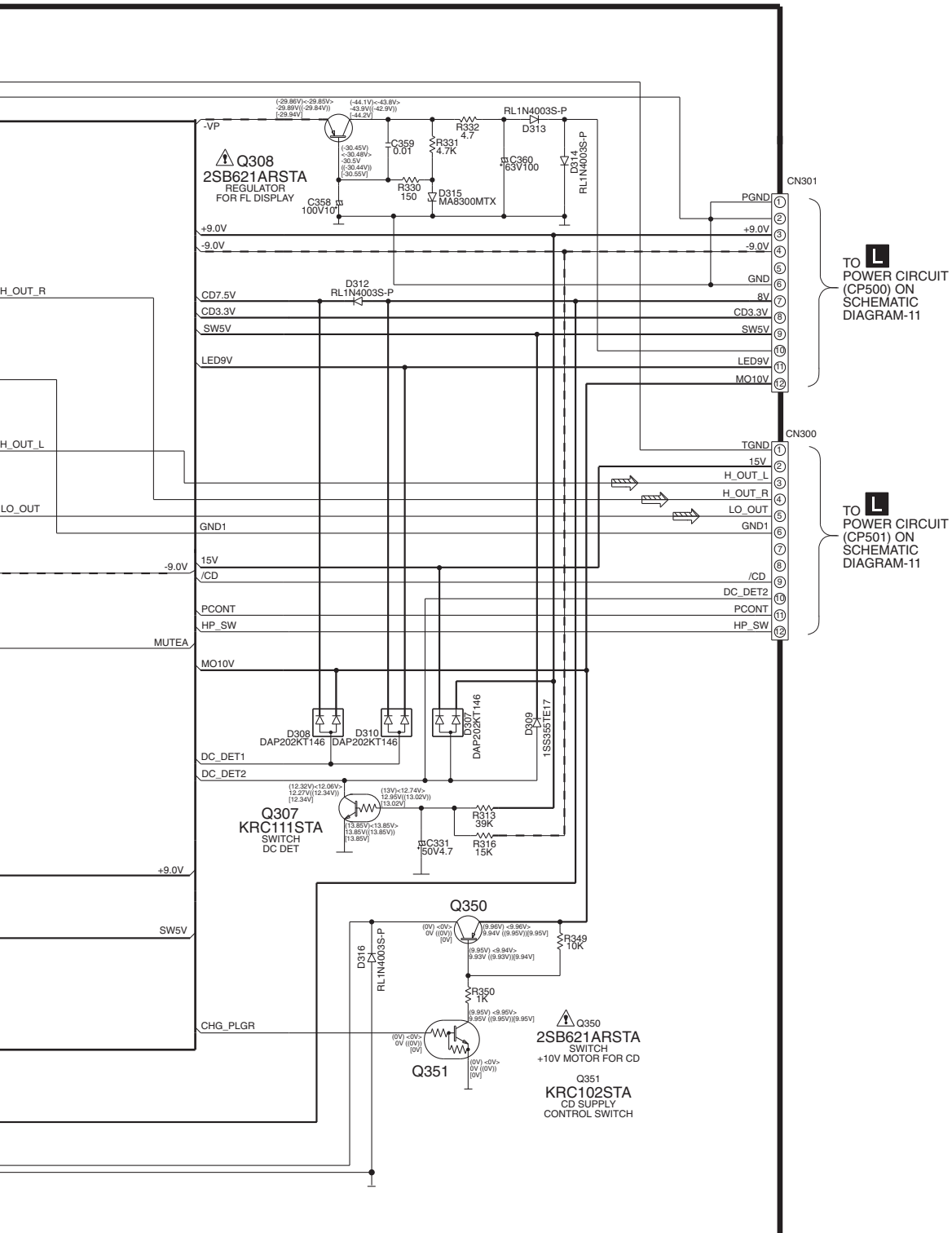


TO **G**
CD LOADING CIRCUIT
(CN1) ON SCHEMATIC
DIAGRAM-12

SCHEMATIC DIAGRAM - 6

— : +B SIGNAL LINE - - : -B SIGNAL LINE ➡ : MAIN SIGNAL LINE

B MAIN CIRCUIT



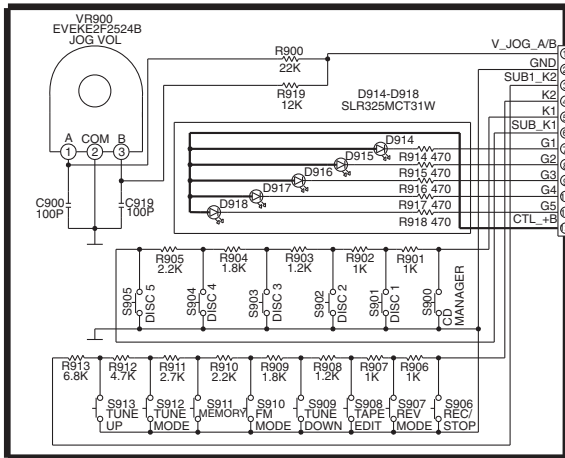
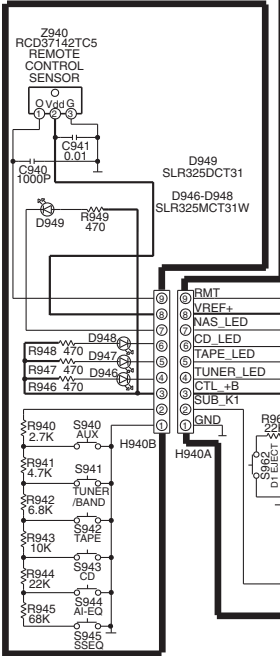
SCHEMATIC DIAGRAM - 7

— : +B SIGNAL LINE

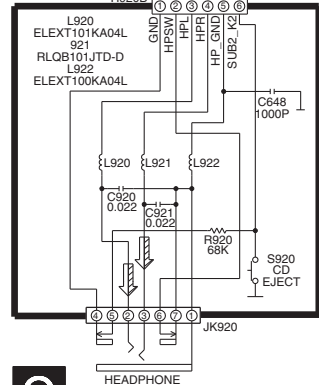
⇒ : MAIN SIGNAL LINE

PANEL CIRCUIT

P TACT SWITCH (1) CIRCUIT



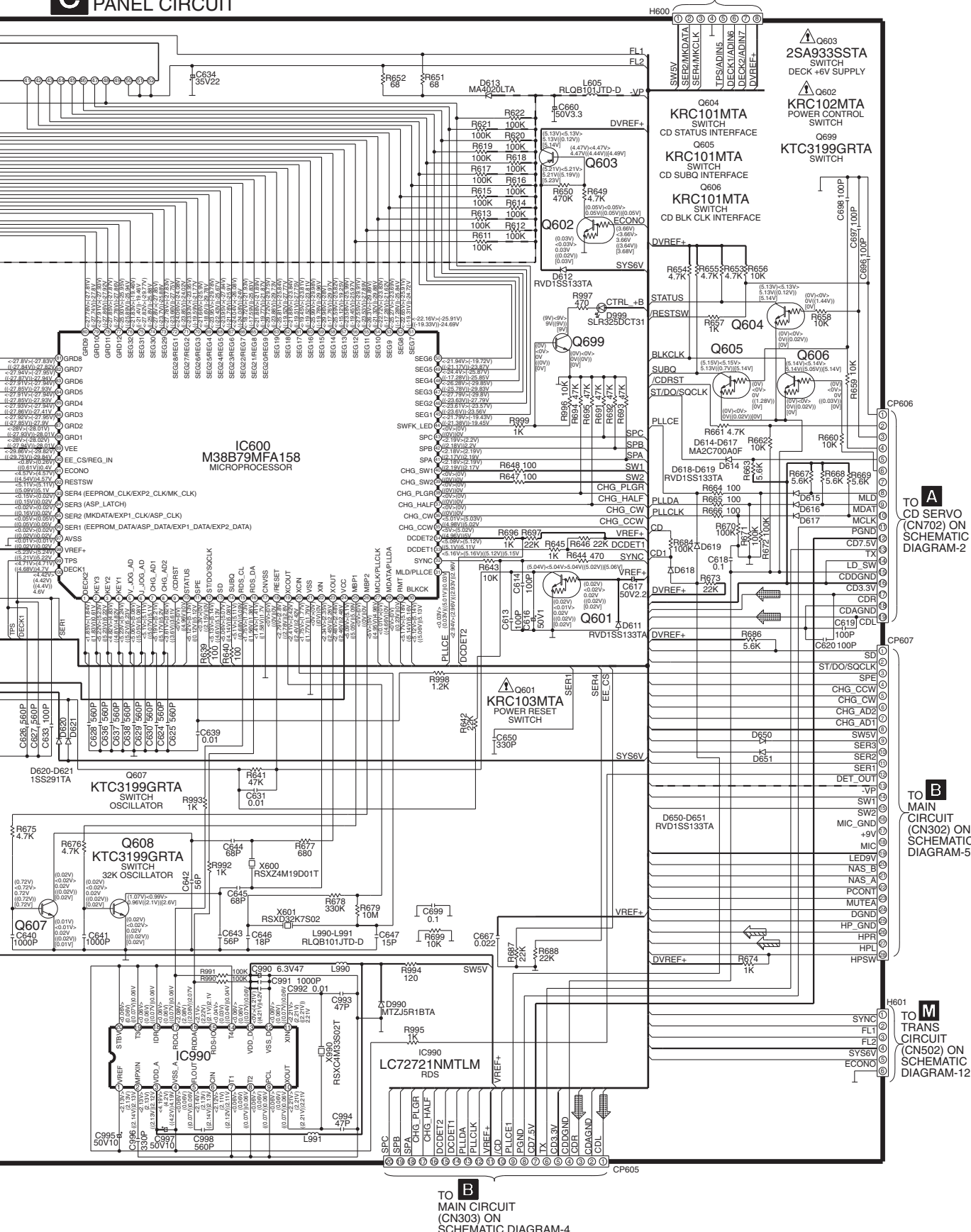
D TACT SWITCH (2) CIRCUIT



O HEADPHONE CIRCUIT

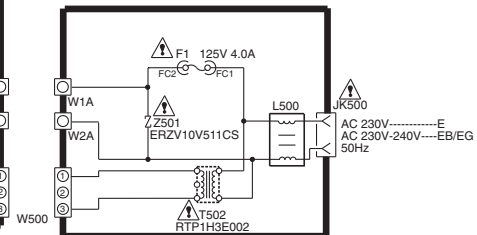
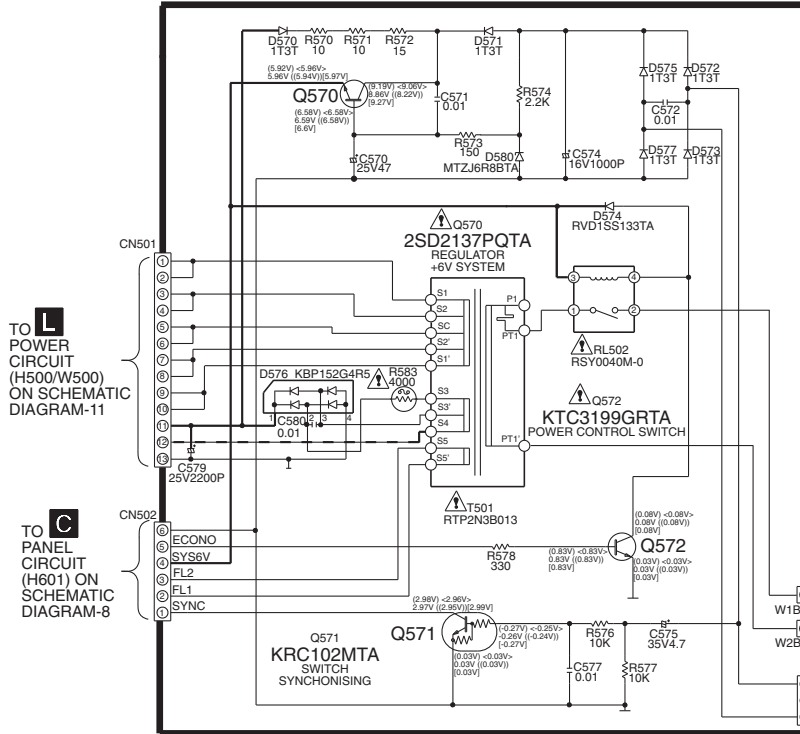
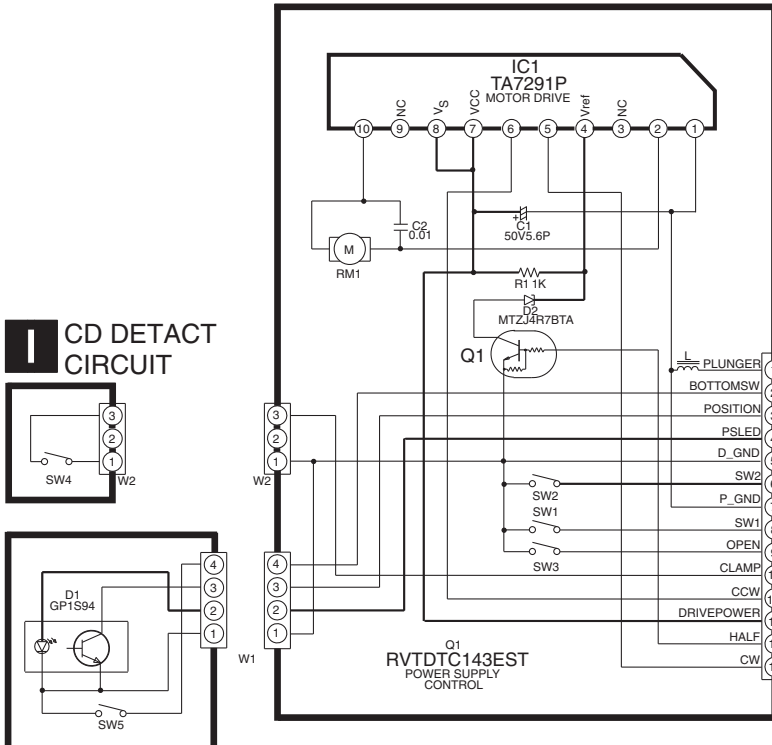
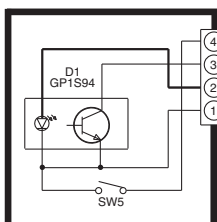
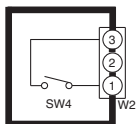
C PANEL CIRCUIT

TO **K**
DECK CIRCUIT
(CN1001) ON
SCHEMATIC DIAGRAM-10



SCHEMATIC DIAGRAM -12

— : +B SIGNAL LINE - - : -B SIGNAL LINE

M AC TRANSFORMER CIRCUIT**N** SUB-TRANSFORMER CIRCUIT**G** CD LOADING CIRCUIT**I** CD DETACT CIRCUIT**H** SPINDLE POSITION CIRCUIT

 : MAIN SIGNAL LINE

TO **M**
TRANS
CIRCUIT
(CN501) ON
SCHEMATIC
DIAGRAM-12